

FIG. 2

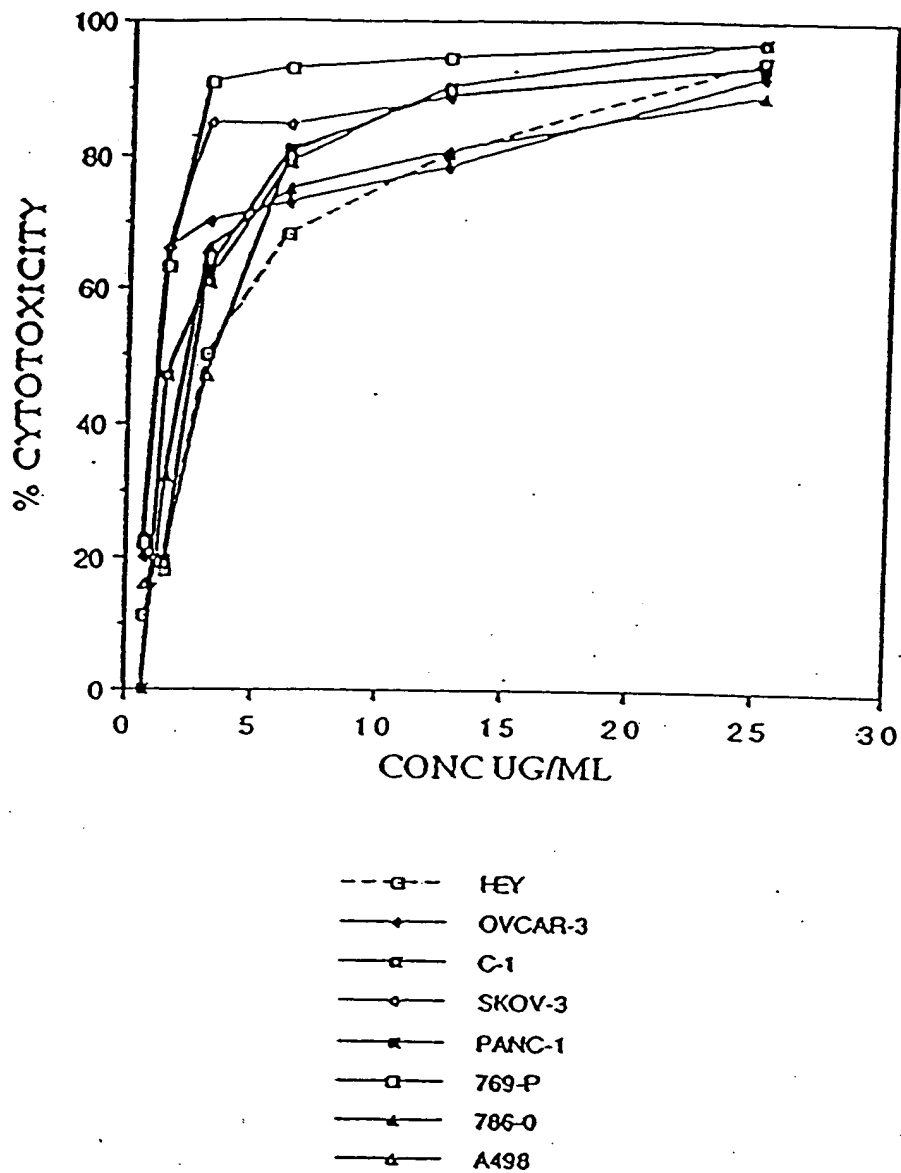


FIG. 3

TOP SECRET

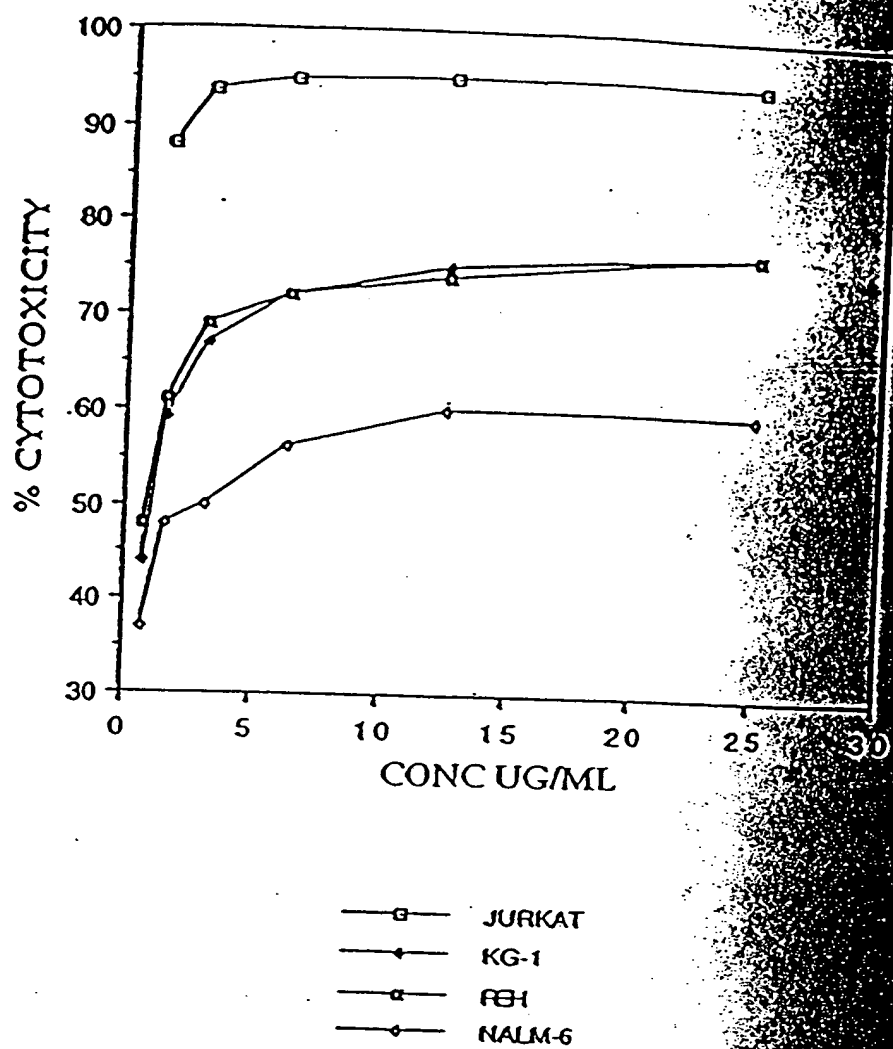
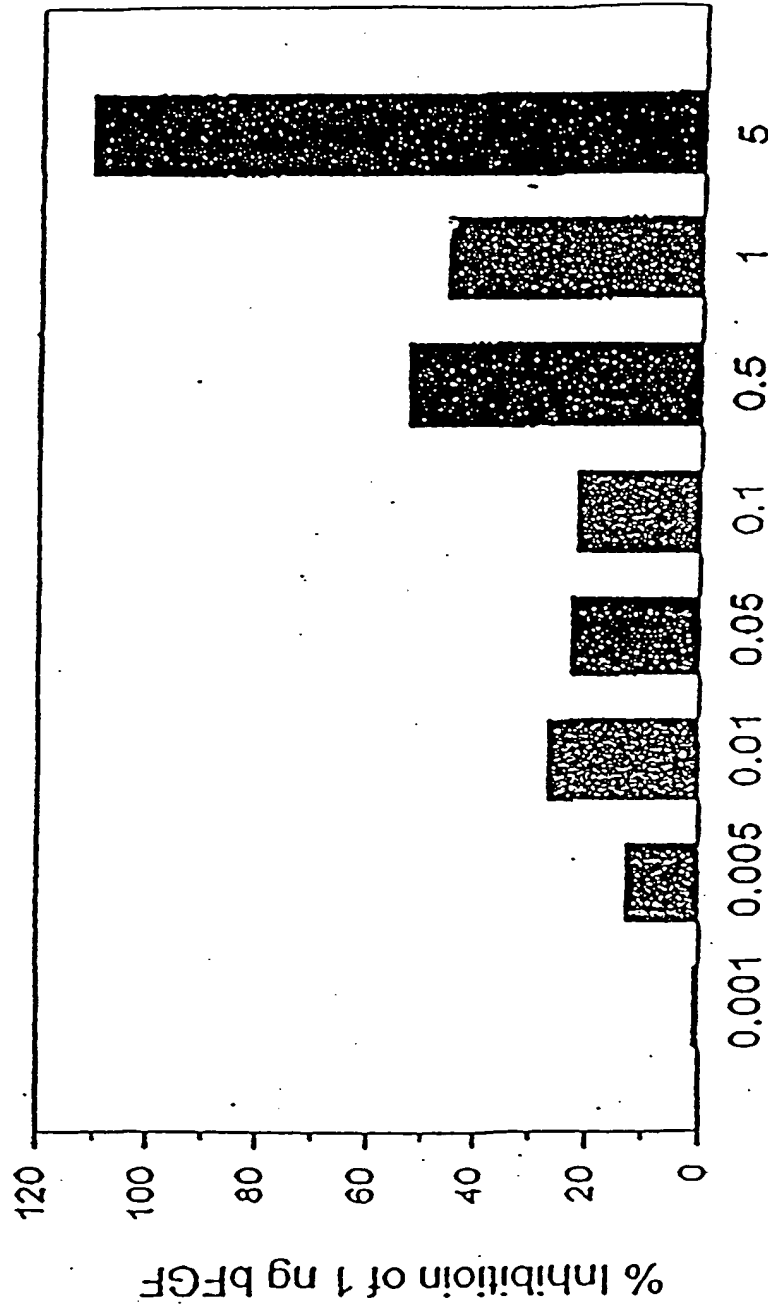


FIG. 4

TEST 952660



UA-BRF-004-DELEP F035 $\mu\text{g /ml}$

FIG. 5

FOOT SHEET

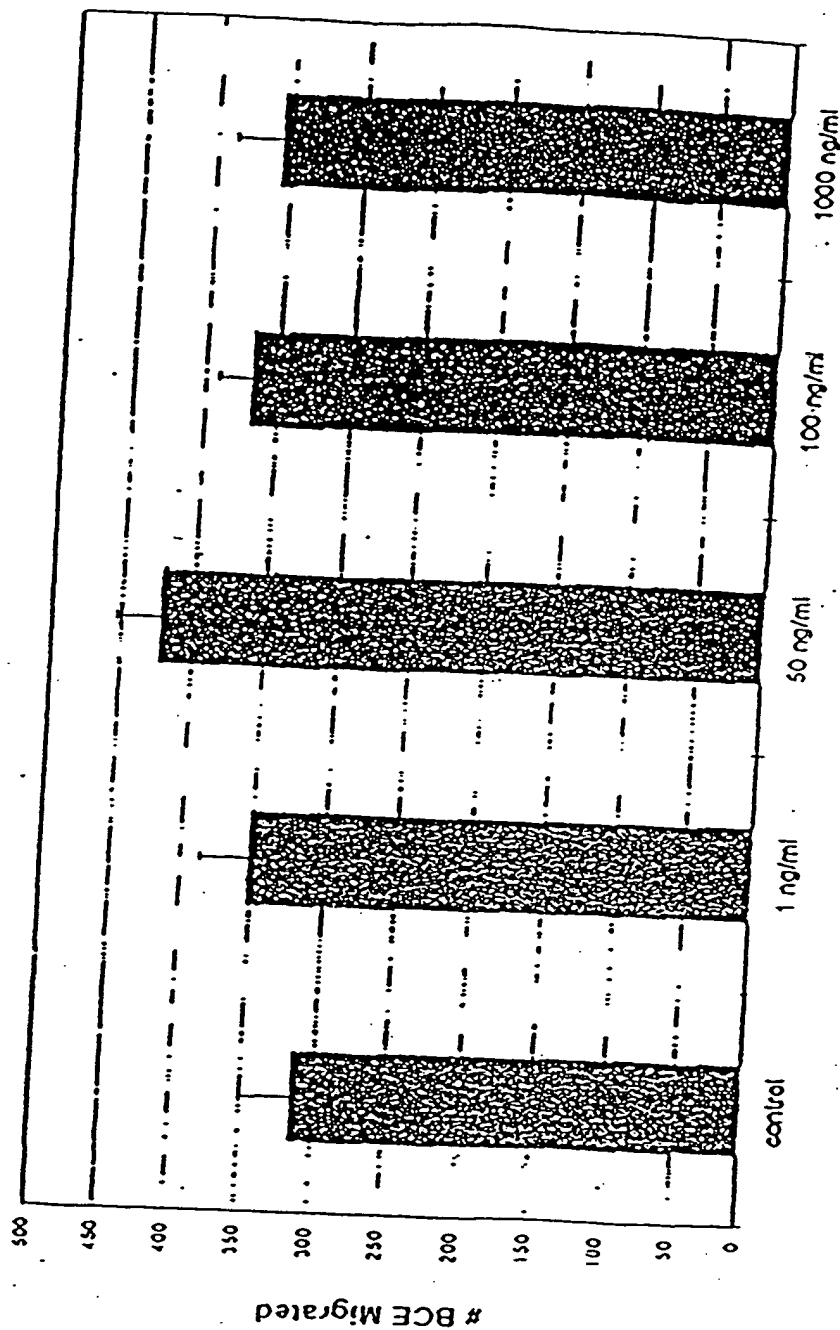


FIG. 6

TOP SECRET

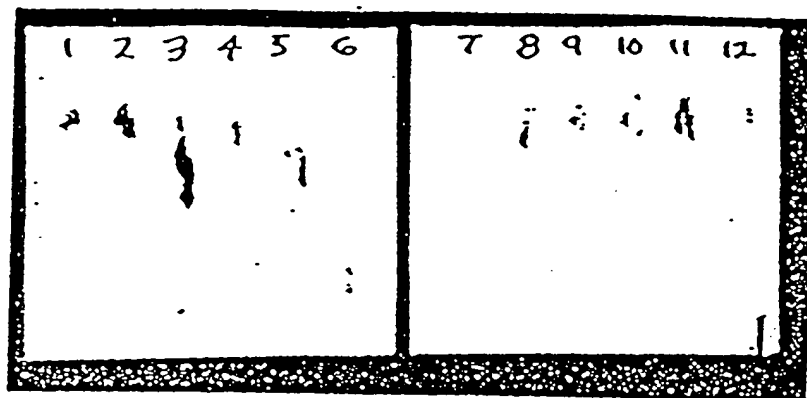


FIG. 7

FOOT SECTION



FIG. 8

Dose: 0.2 ml

ACETONE
4 weeks

Mouse # 133

FIG. 9A



Dose: 0.2 ml

ACETONE
8 Weeks

Mouse # 150

FIG. 9B



Dose: 100 nmol

DMBA
4 Weeks

Mouse # 130

FIG. 9C

Dose: 100 nmol

DMBA
8 Weeks

Mouse # 149

FIG. 9D

TOP SECRET

Dose: 0.3 mg

Compound # 35
4 weeks

Mouse # 136

FIG. 9E



Dose: 0.3 mg

Compound # 35 + DMBA
8 Weeks

Mouse # 140

FIG. 9F



Treatment (Low Conc.)

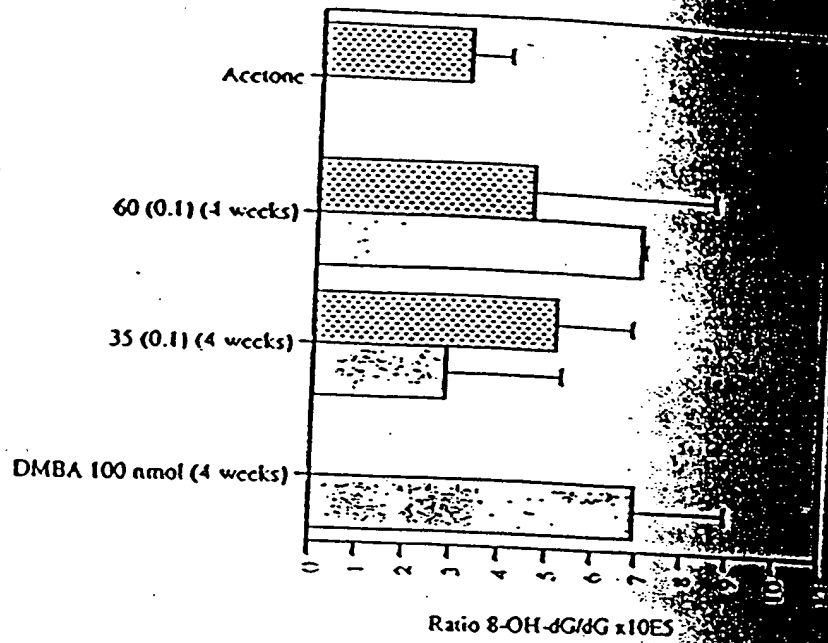


FIG. 10A

Treatment (High Conc.)

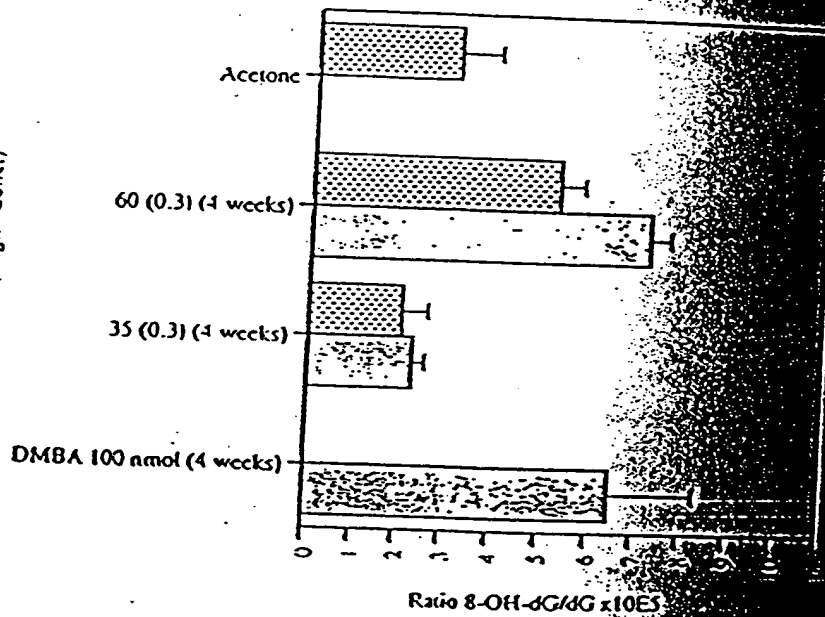


FIG. 10B

-DMBA
 +DMBA

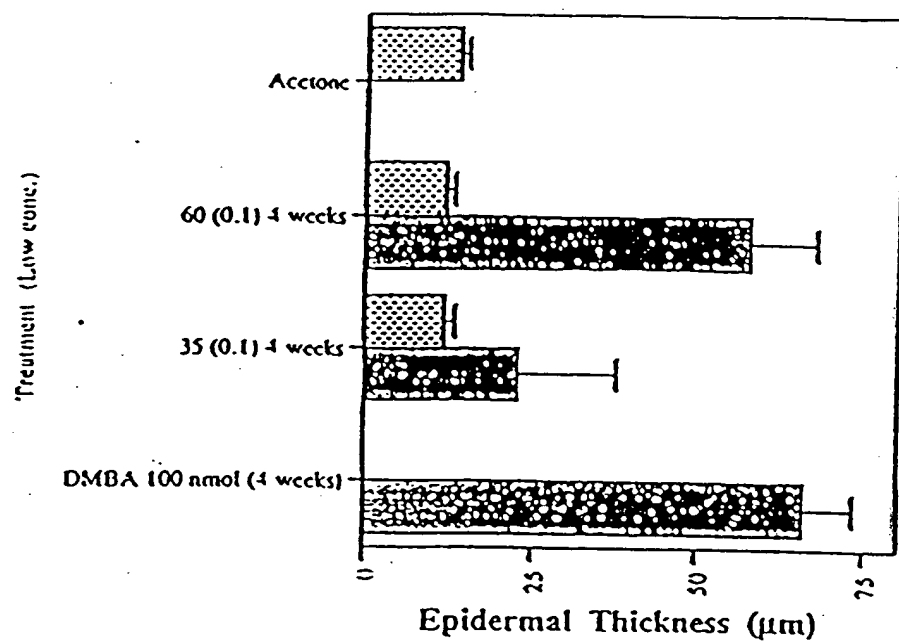


FIG. 11A

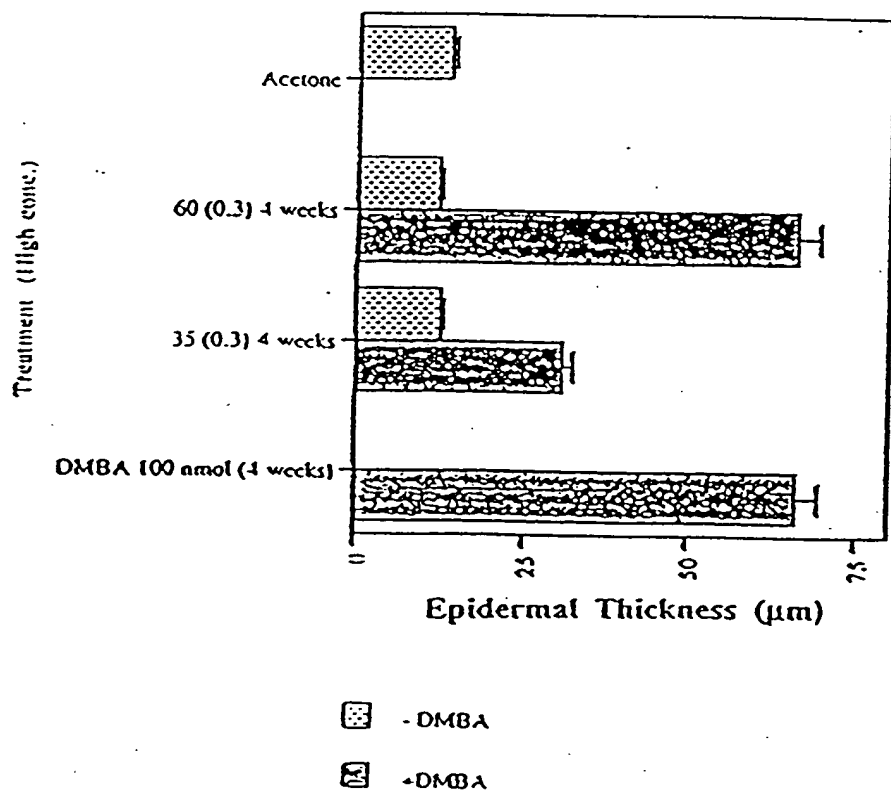


FIG. 11B

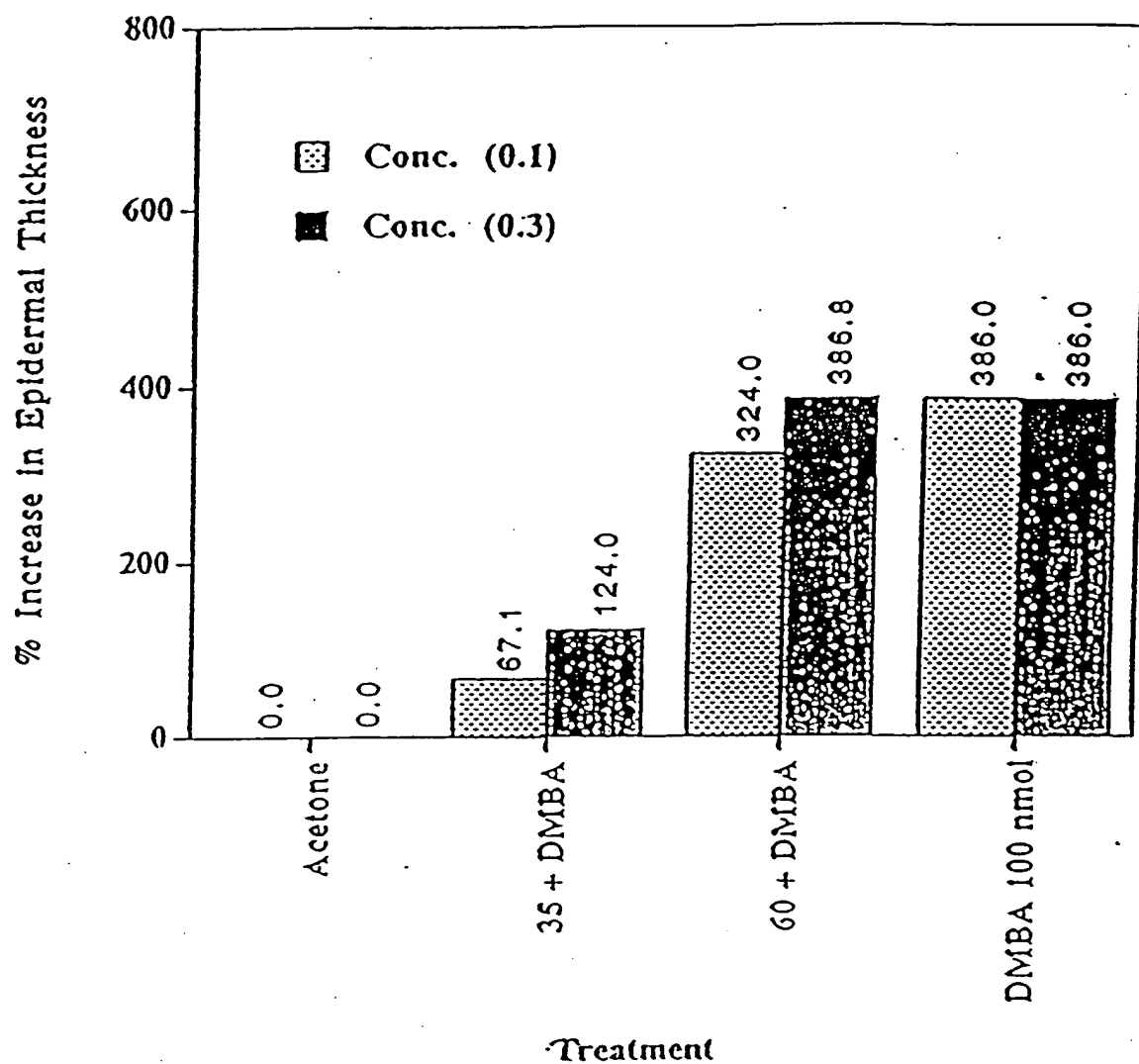


FIG. 12

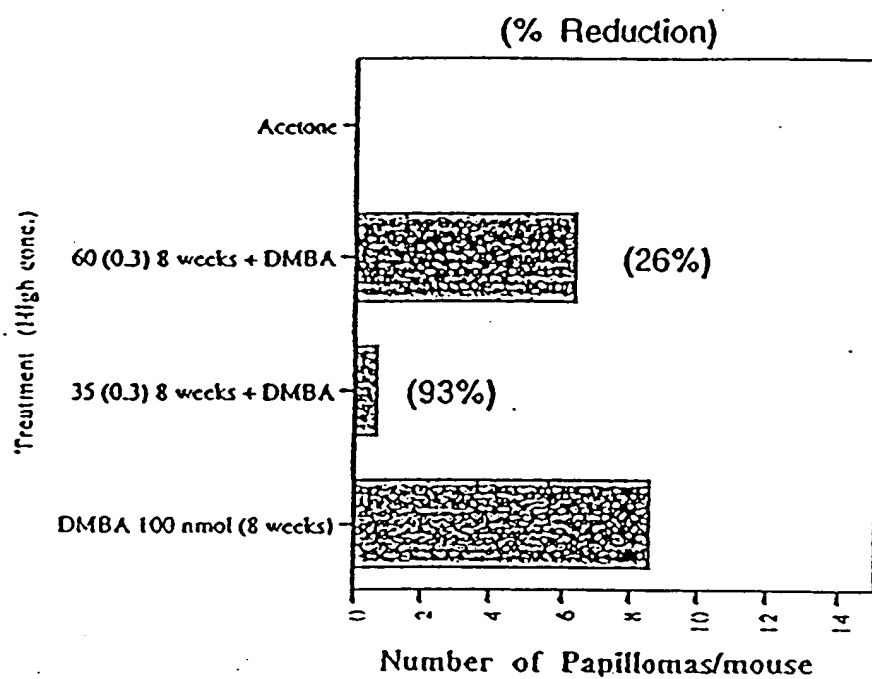


FIG. 13

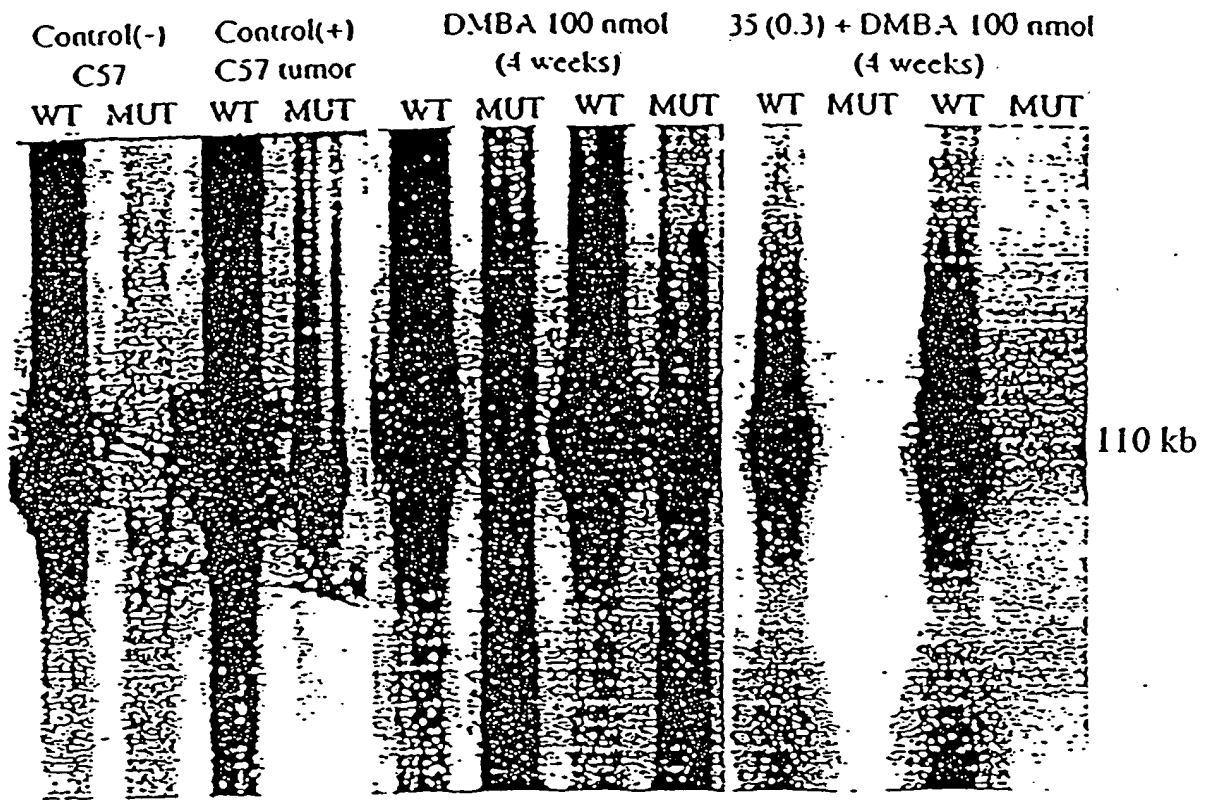


FIG. 14

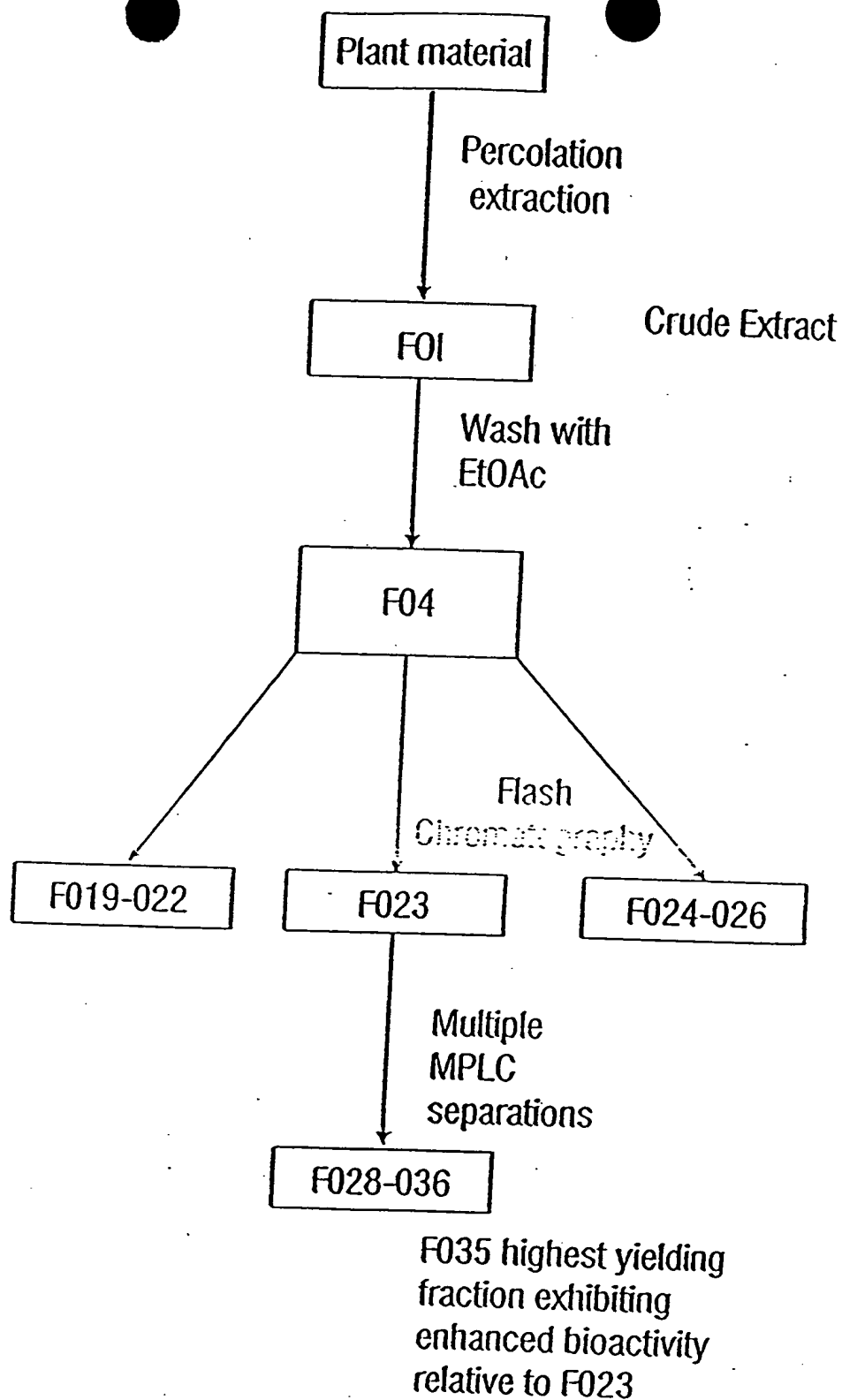


FIG. 15

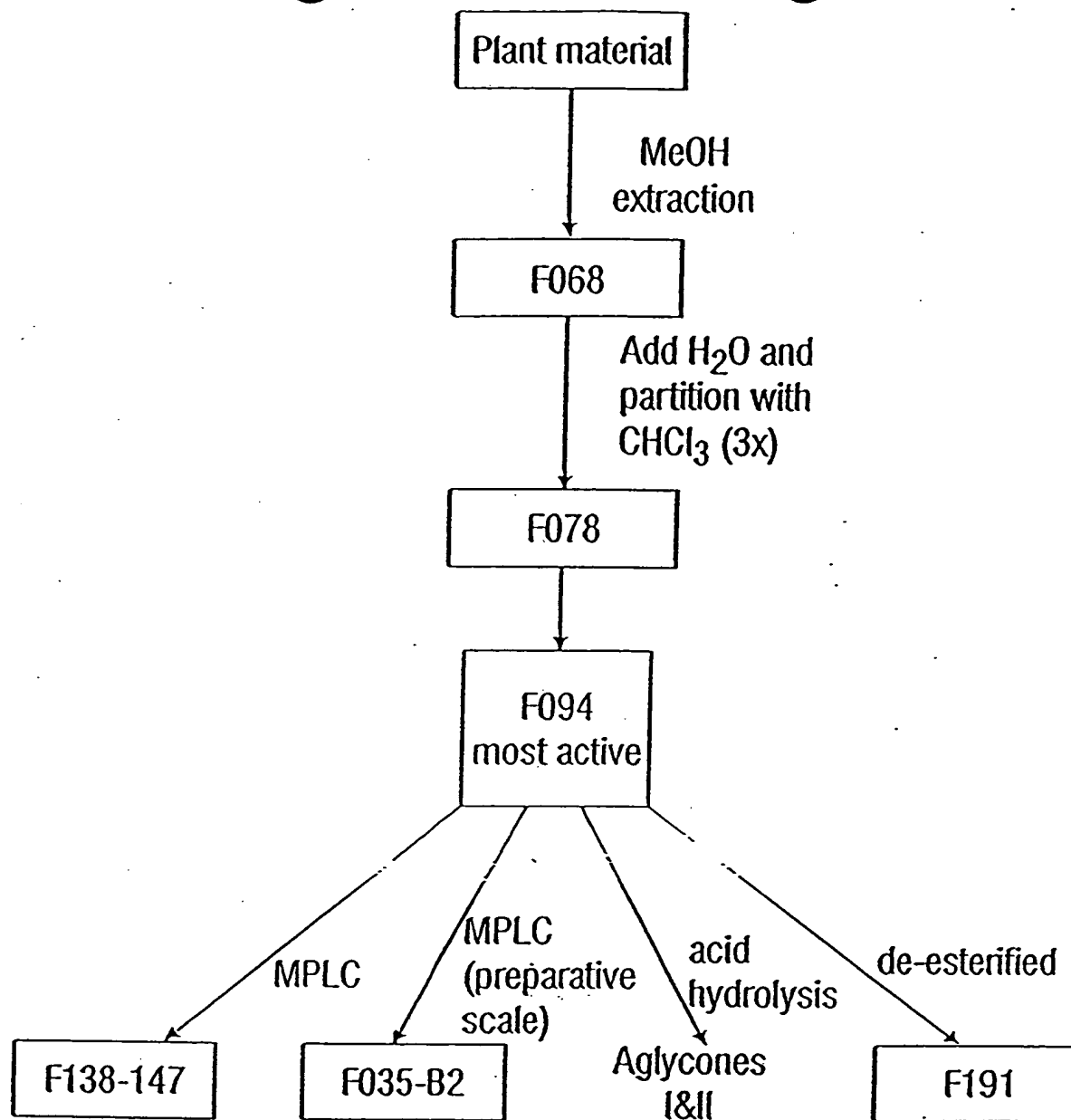
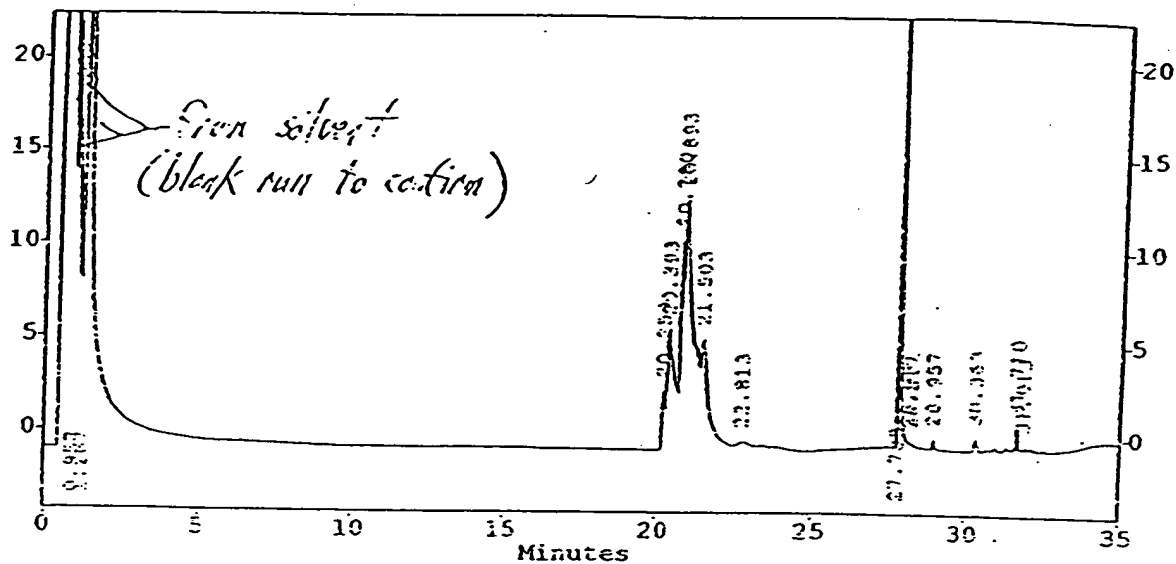


FIG. 16

FOOT 9556560

mV

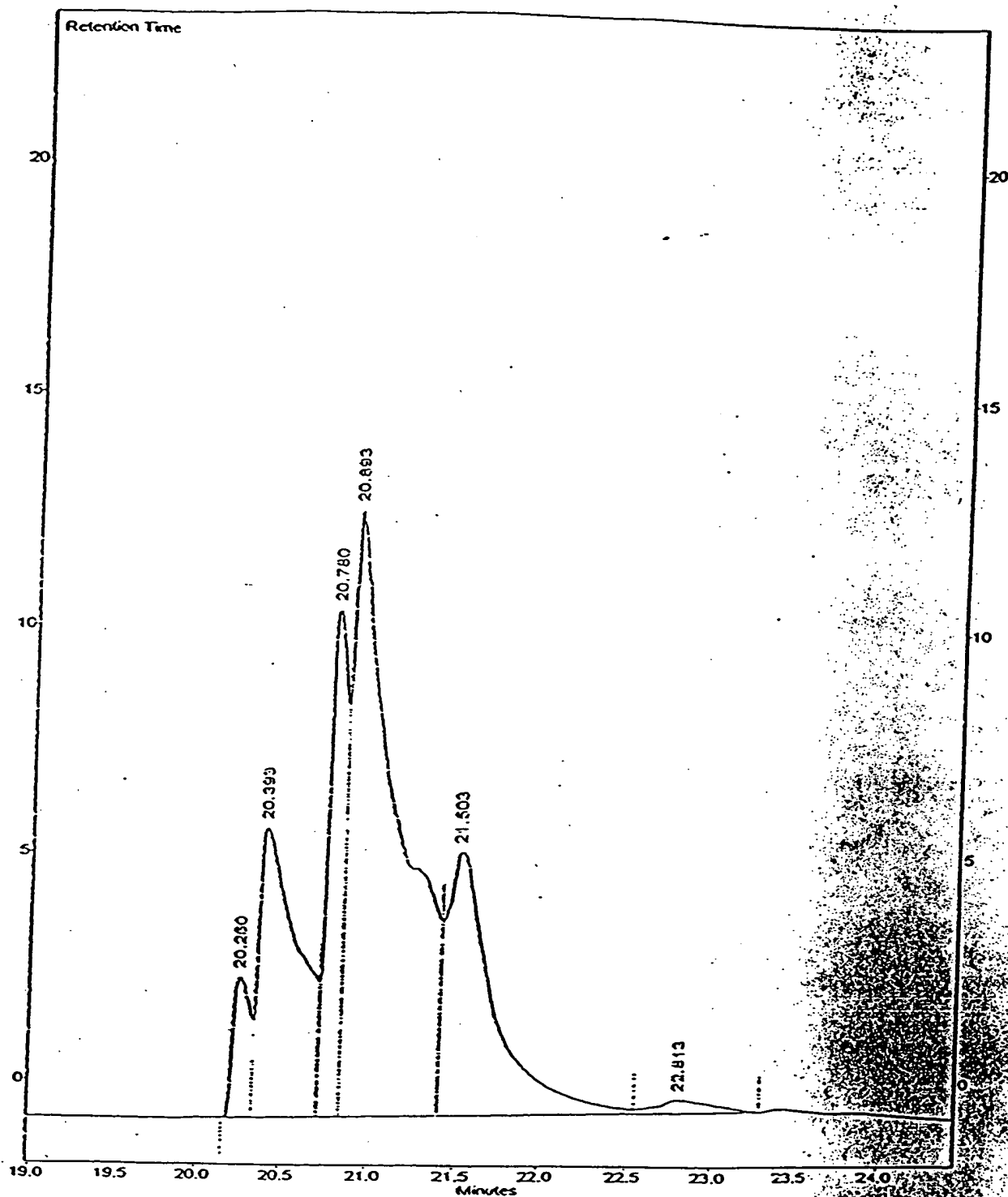


mV

FIG. 17A

TOP SECRET

< 3



< 3

FIG. 17B

0305-82-0305-82-0305-82

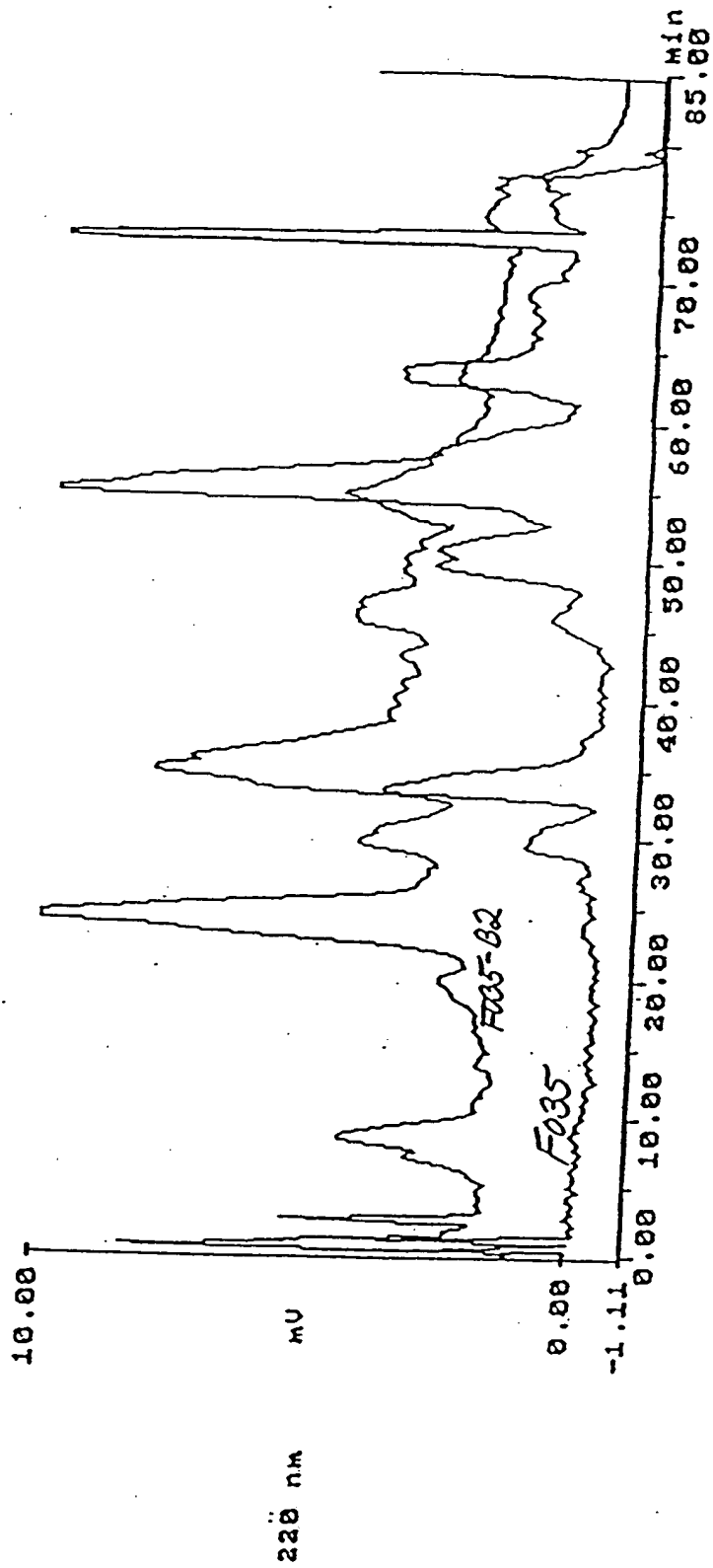


FIG. 18A

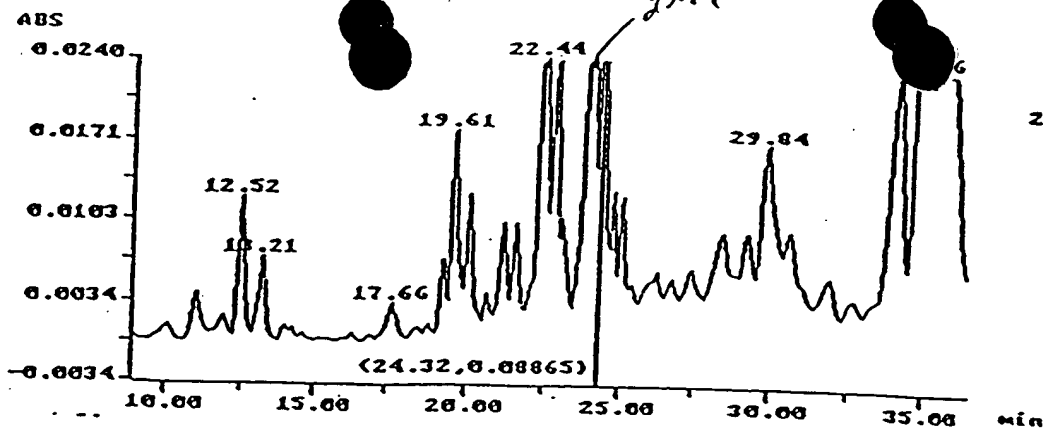


FIG. 18B

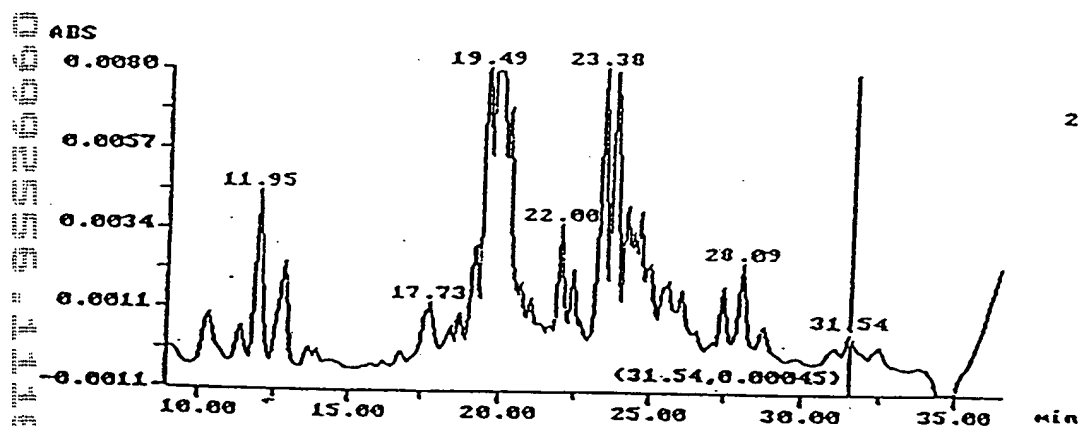


FIG. 18C

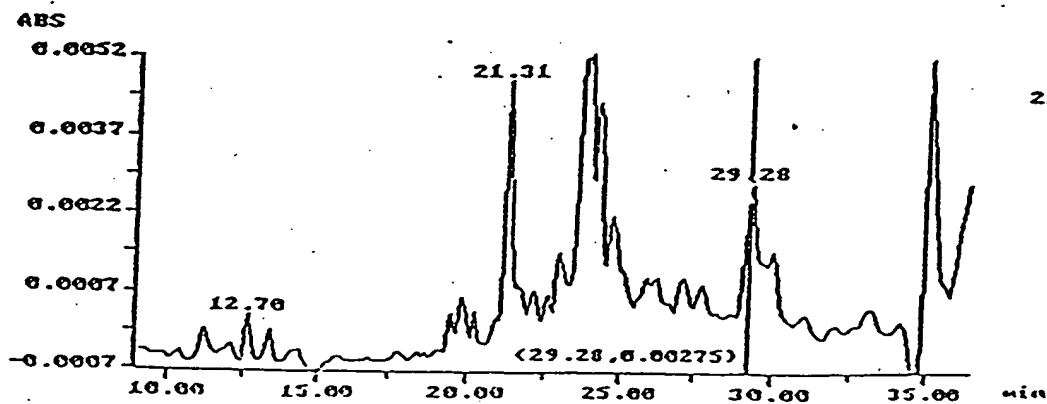


FIG. 18D

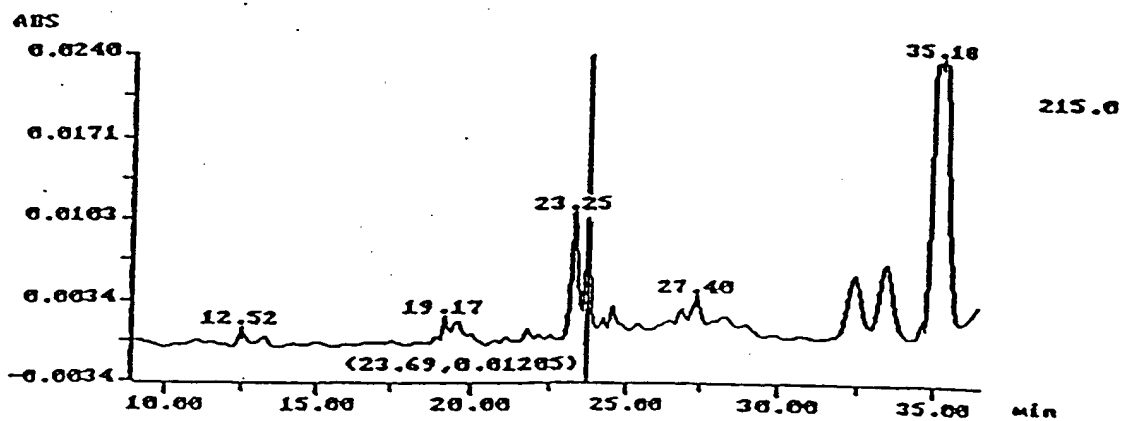


FIG. 18E

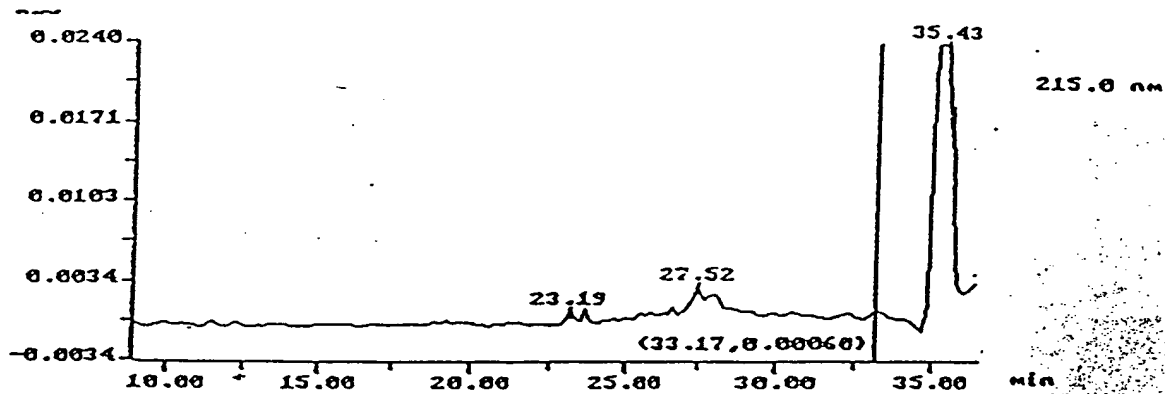


FIG. 18F

TEST 952660

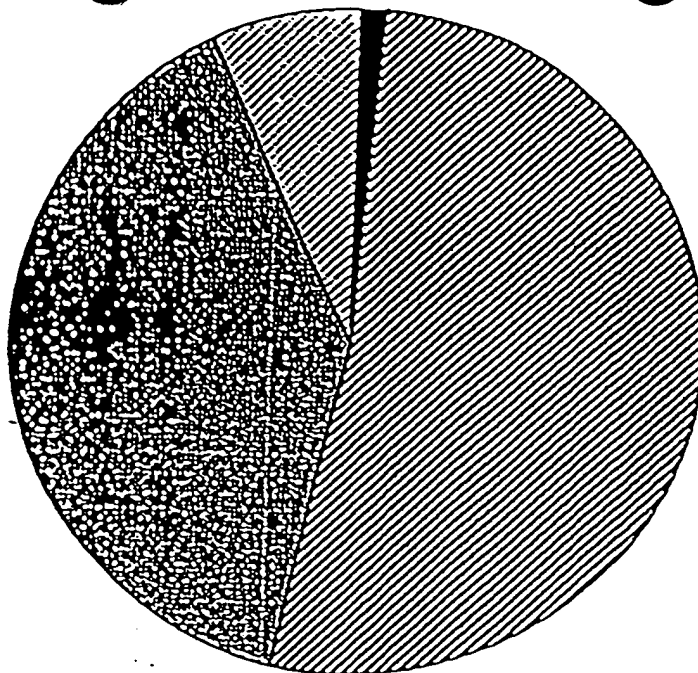


FIG. 19A

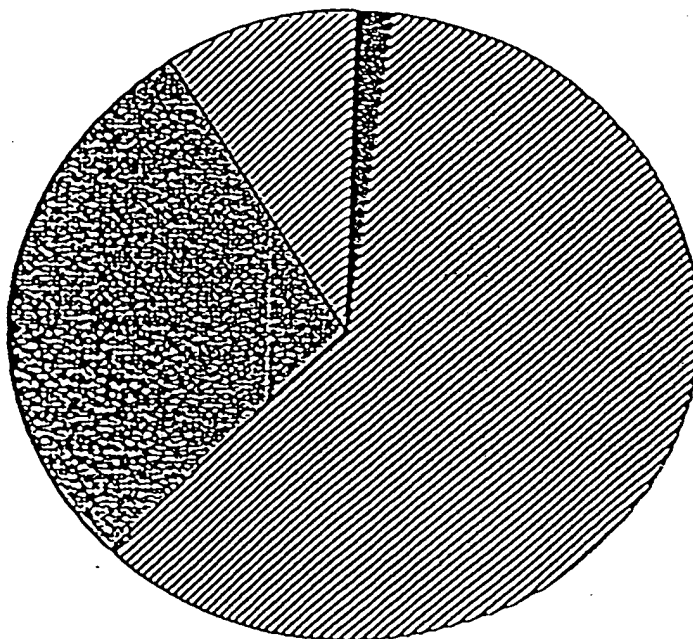
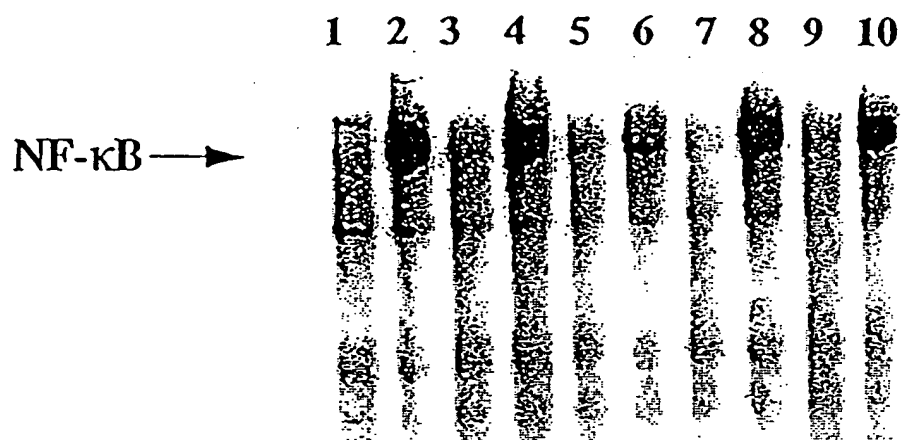


FIG. 19B



- 1 : Untreated
- 2 : TNF (100pM)
- 3 : F035 (1ug/ml)
- 4 : TNF+ F035 (1ug/ml)
- 5 : F035 (2μg/ml)
- 6 : TNF+ F035 (2μg/ml)
- 7 : F094 (1μg/ml)
- 8 : TNF+F094 (1μg/ml)
- 9 : F094 (2ug/ml)
- 10 : TNF+ F094 (2ug/ml)

FIG. 20

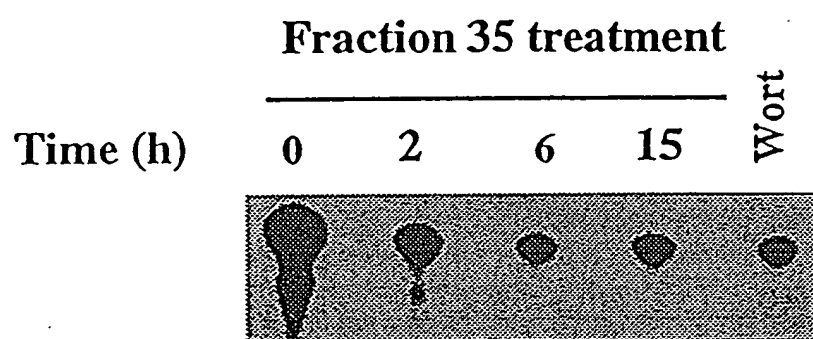
[illegible]

FIG 21

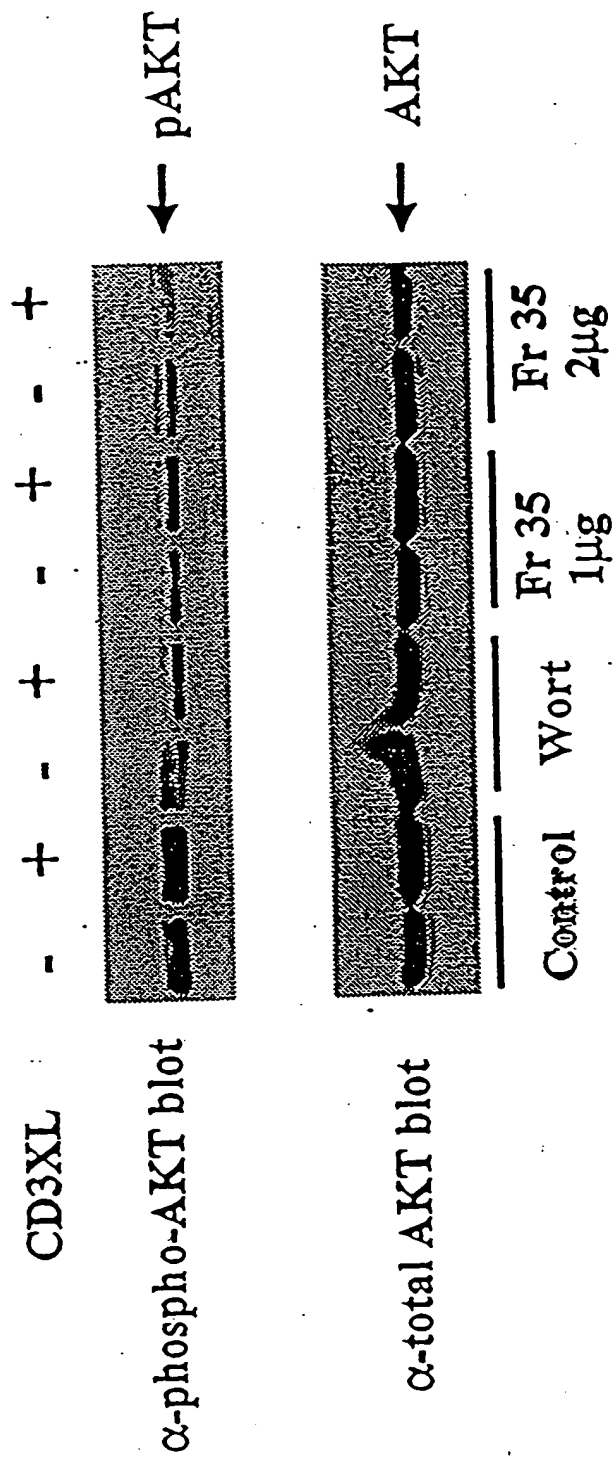


FIG 22

TOP SECRET 955660

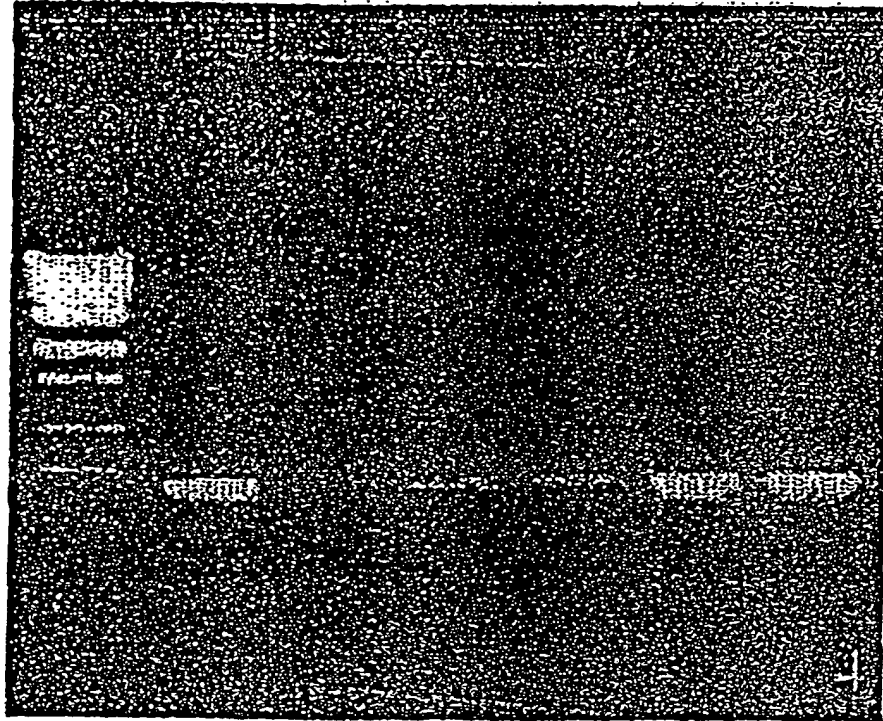


FIG 23

STRUCTURE OF LIPTOSIDES:

ELLIPTOSIDE E if R=OH

ELLIPTOSIDE A if R=H

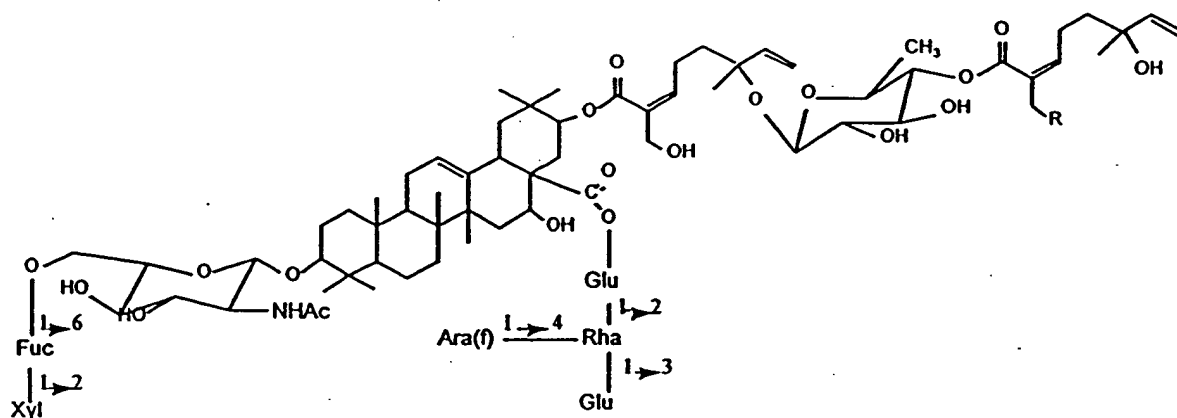
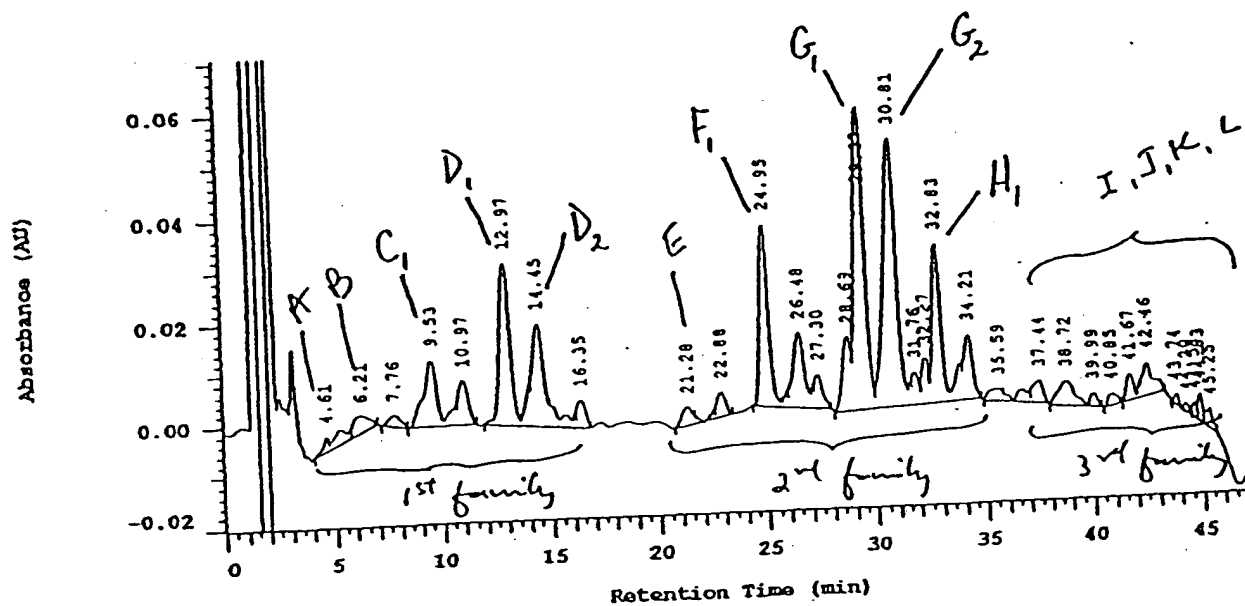


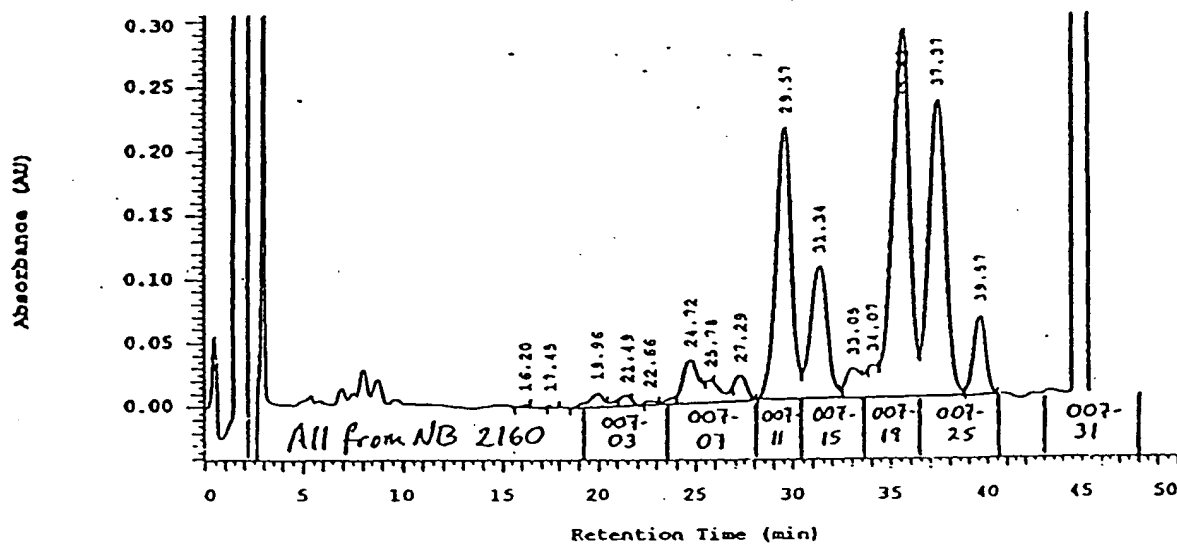
FIG 24



HPLC separation of the constituents in F035

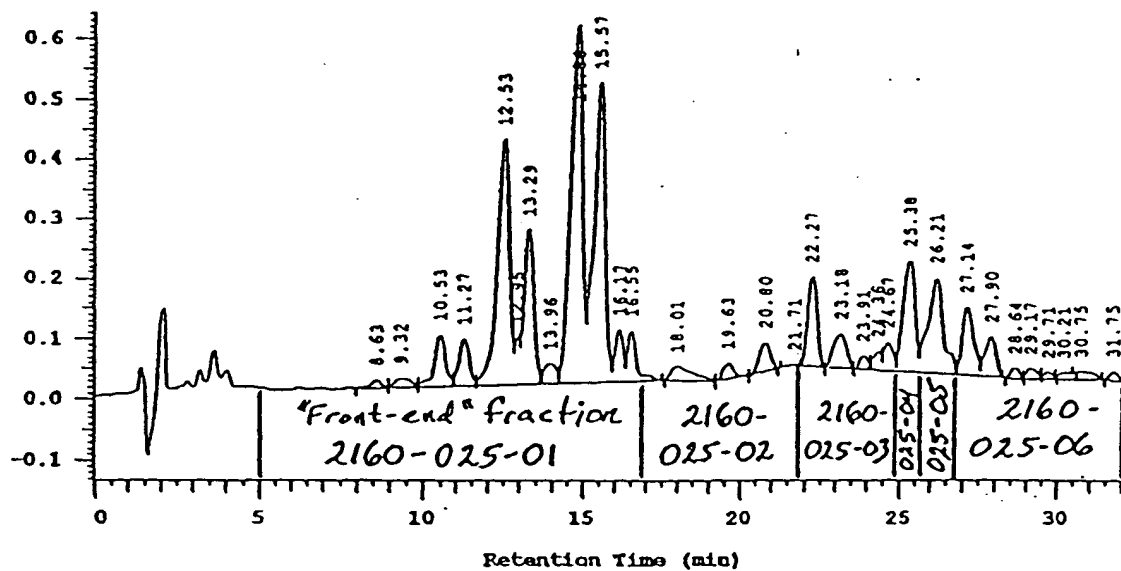
FIG 26

003T-SS660



First Fractionation by Semi-Prep HPLC of F094

FIG 27



Second Fractionation by Semi-Prep HPLC of F094

FIG 28



FIG 29

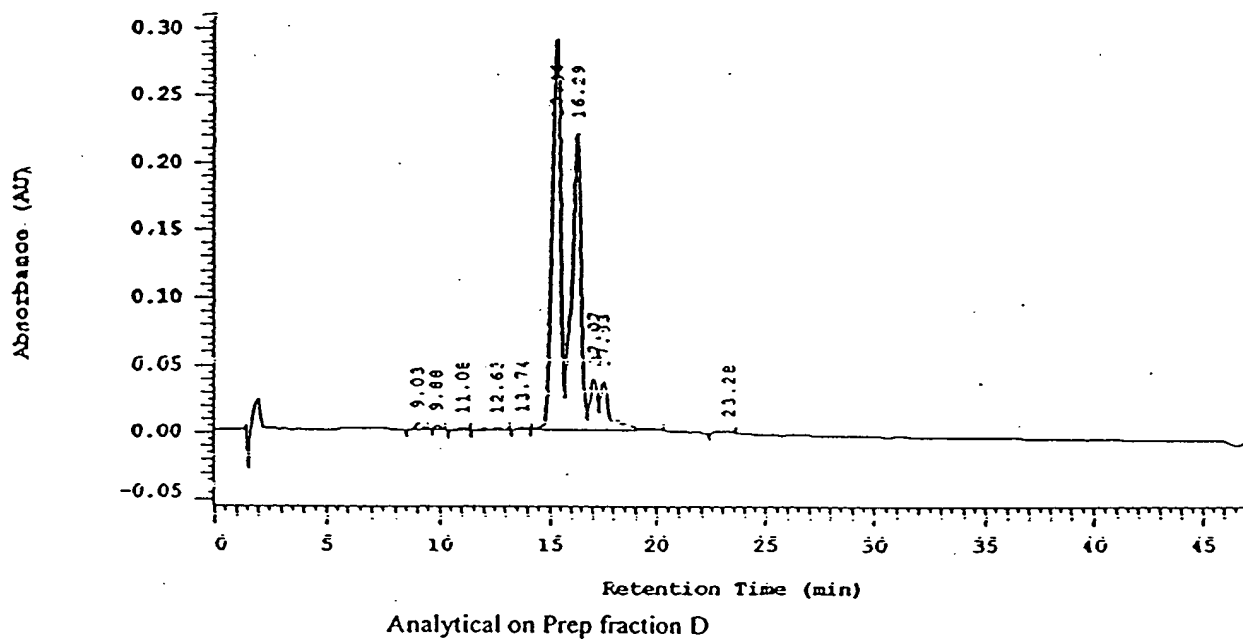


FIG 30

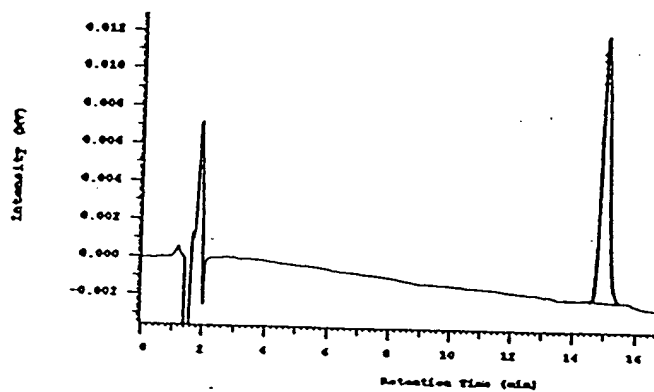
Chromatogram showing Absorbance (AU) vs Retention Time (min) for Analytical on Prep fraction G/H. The x-axis ranges from 0 to 45 minutes, and the y-axis ranges from -0.1 to 0.3 AU. The chromatogram shows a baseline with several peaks. A small peak is labeled at 28.71 min. A cluster of peaks is labeled at 32.75, 33.75, and 34.07 min. Another cluster of peaks is labeled at 35.76, 36.07, and 37.55 min.

FIG 31

Chromatogram showing intensity versus retention time (min). The x-axis ranges from 0 to 16 minutes, and the y-axis ranges from 0.00 to 0.06. Major peaks are labeled with retention times: 11.11, 11.39, 11.63, and 11.71. A small peak is also visible at approximately 1.5 minutes.

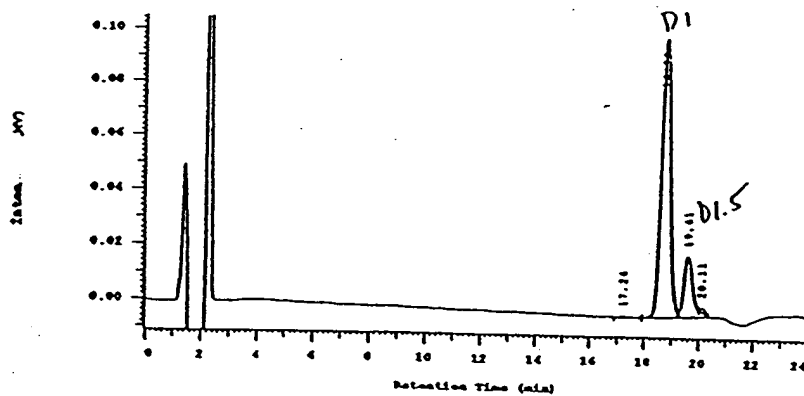
FIG 32

TEST: 000000



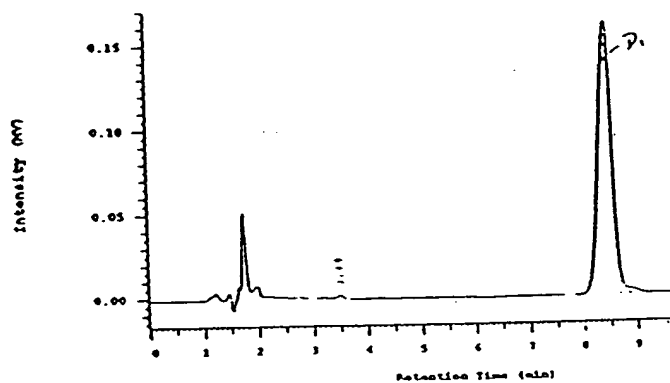
G1 after final C-18 purification

FIG 33



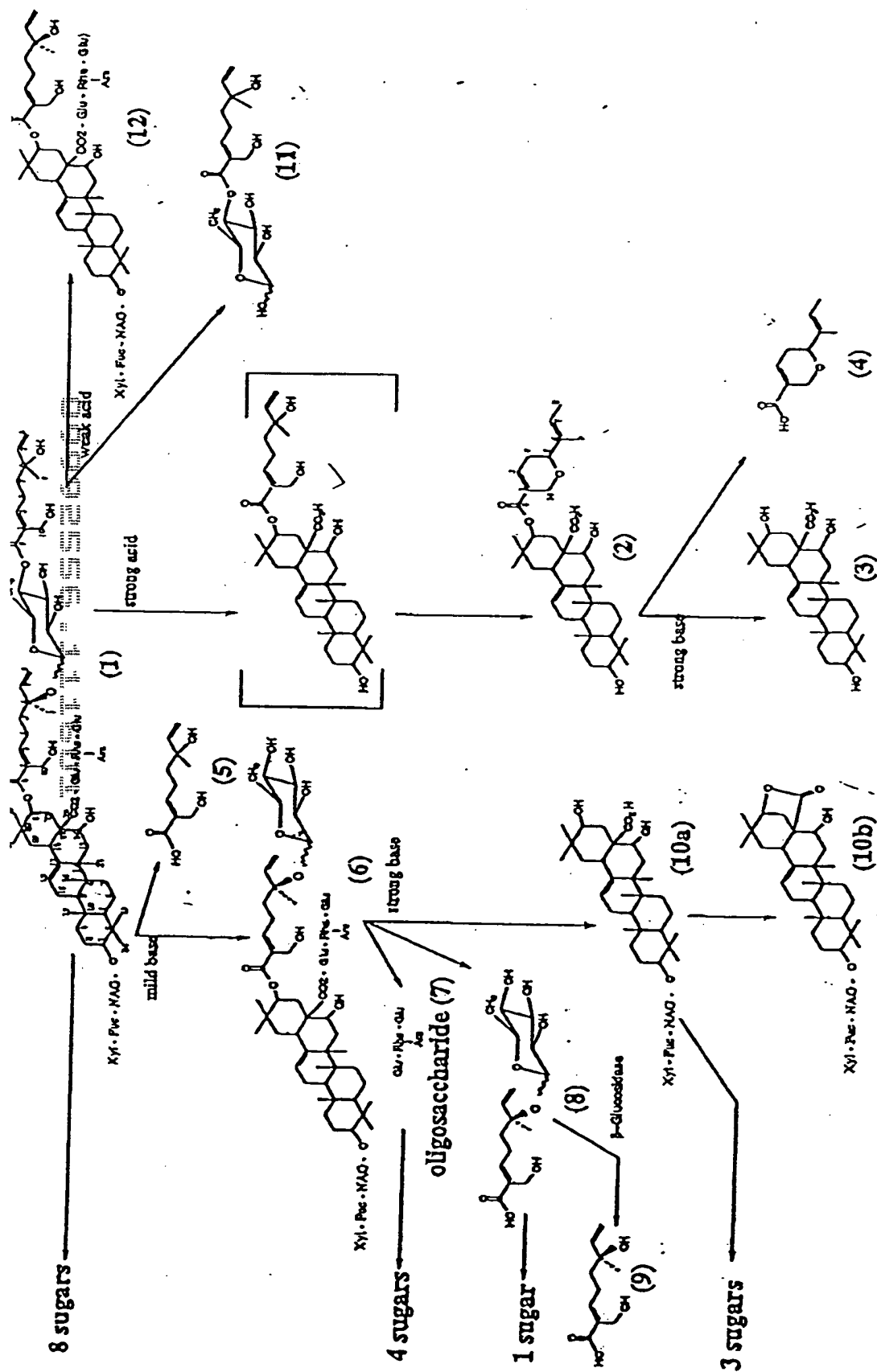
D1 after Waters C-18 column purification.

FIG 34



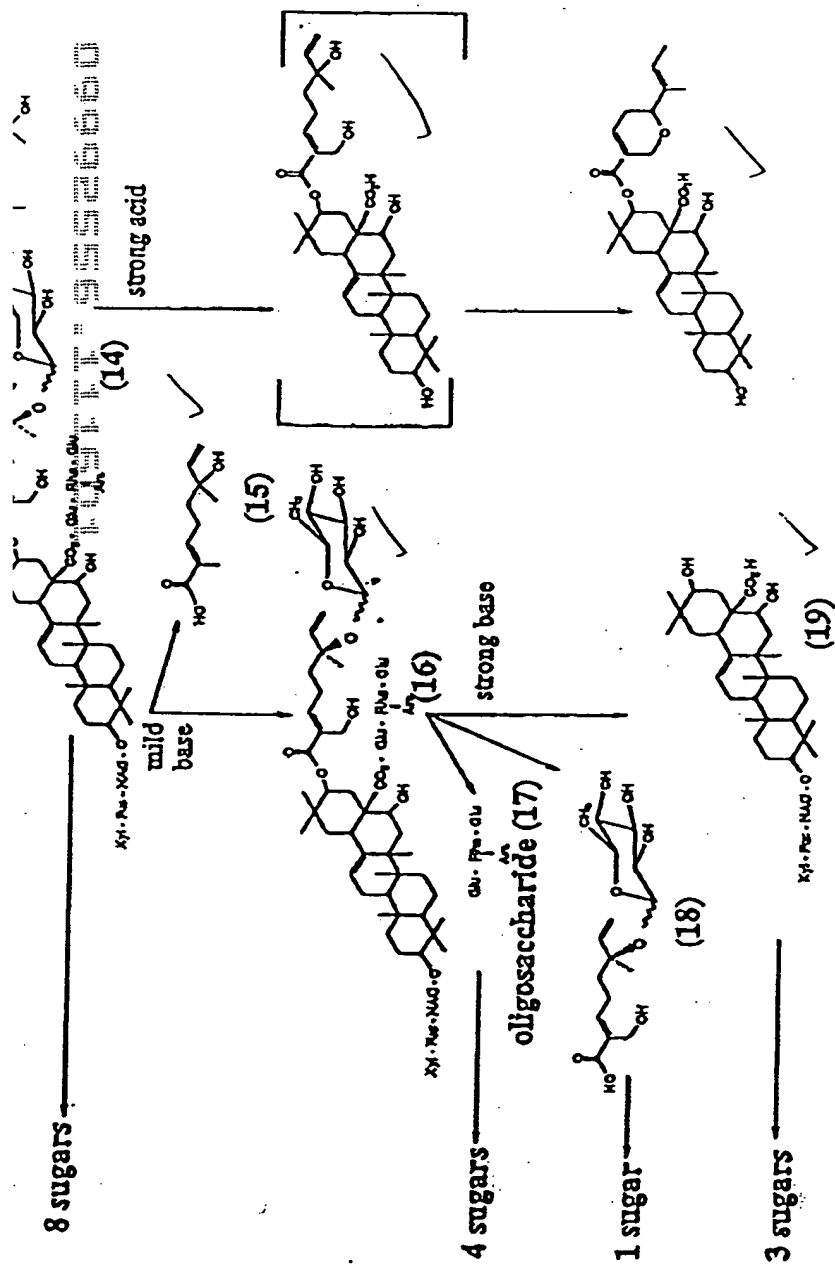
D1 after final C18-Aq purification

FIG 35



Compounds from the Degradation of D1

FIG 36



Compounds from the Degradation of G1

FIG. 37

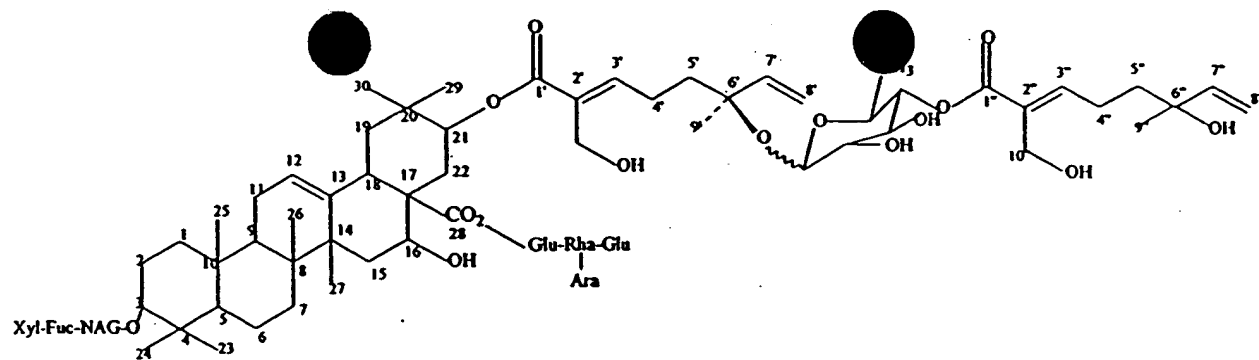


FIG. 39

FIG. 39

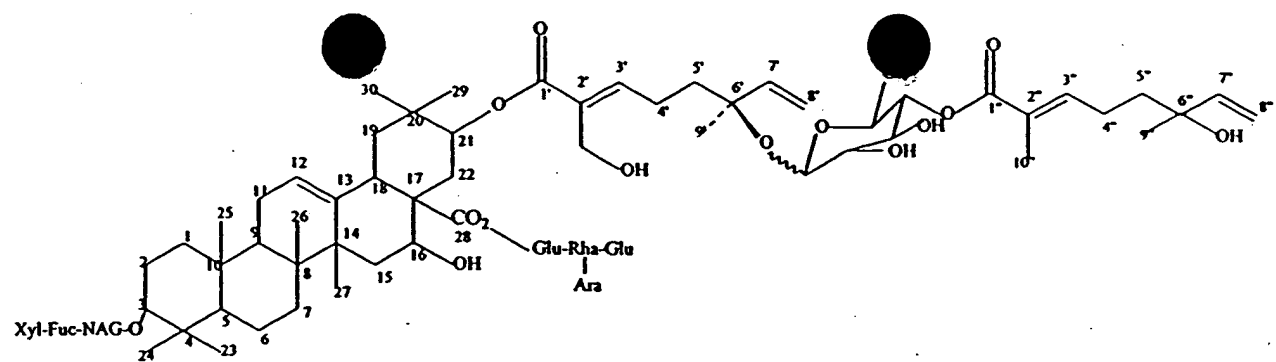


FIG. 40

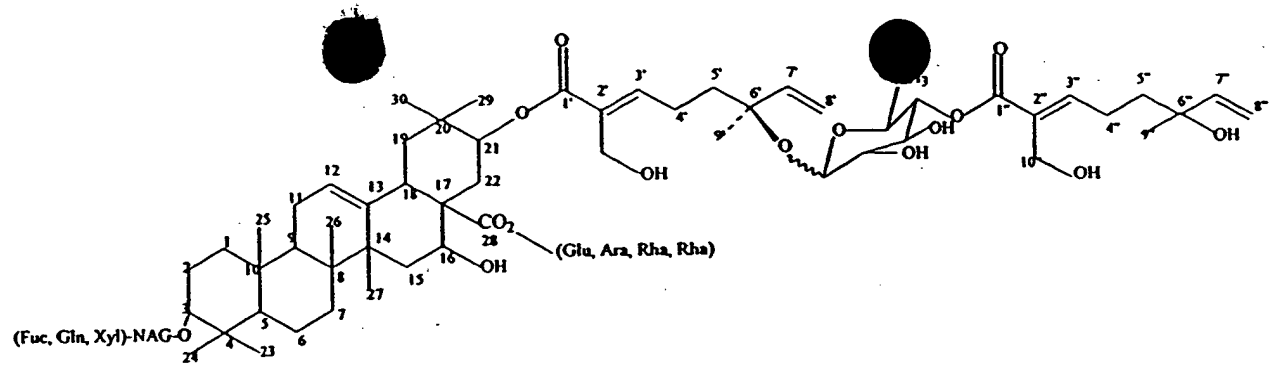


FIG. 41

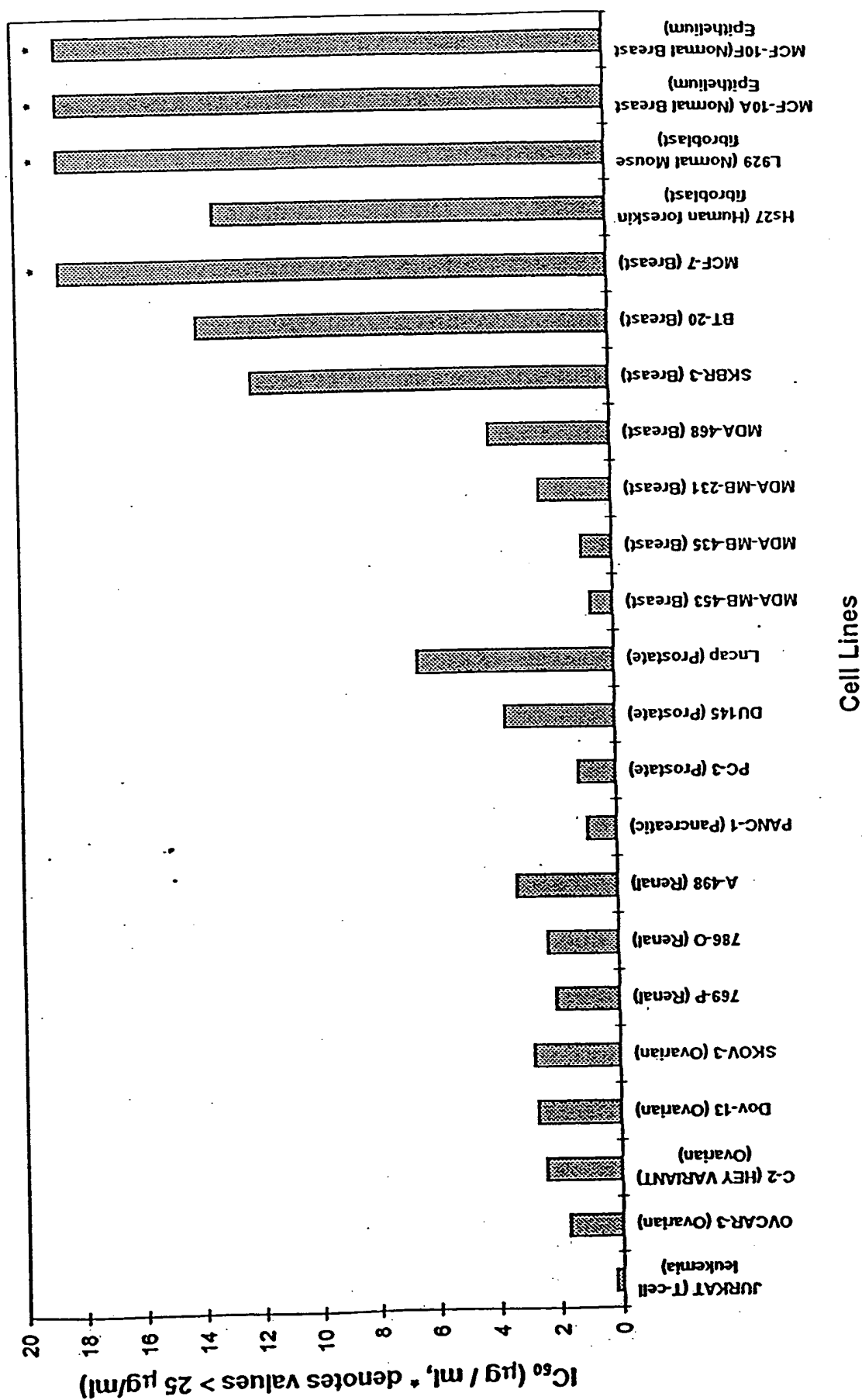


FIG 42

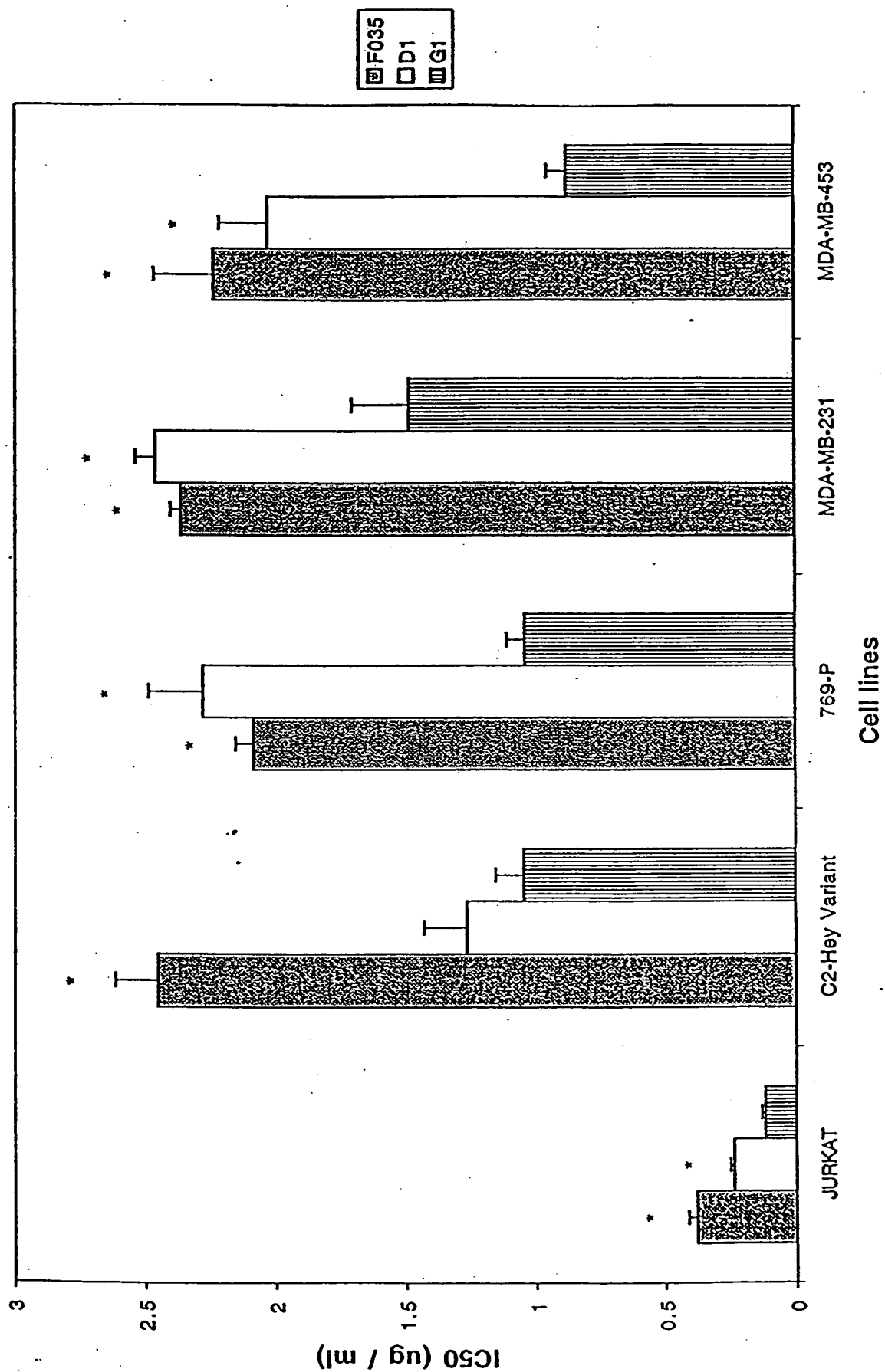
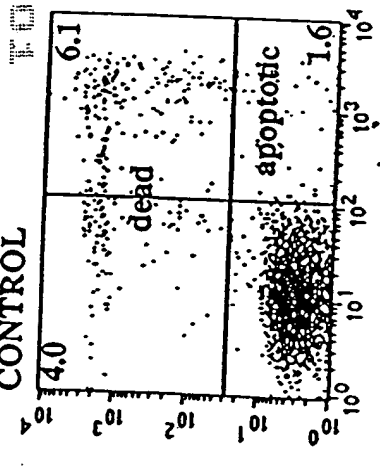
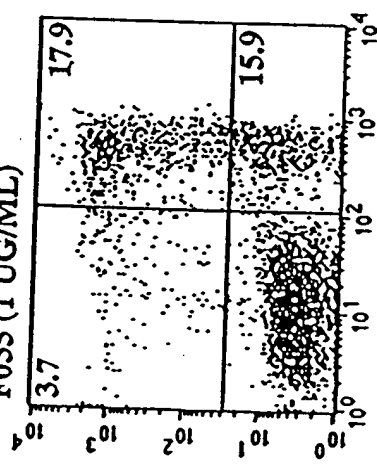


FIG 43

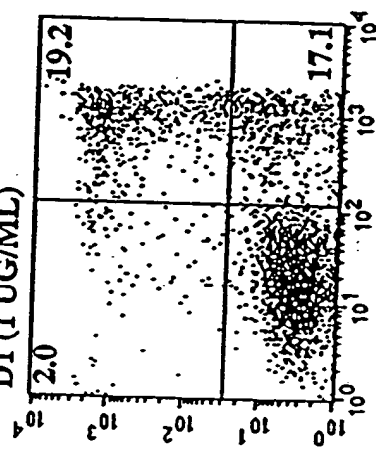
CONTROL



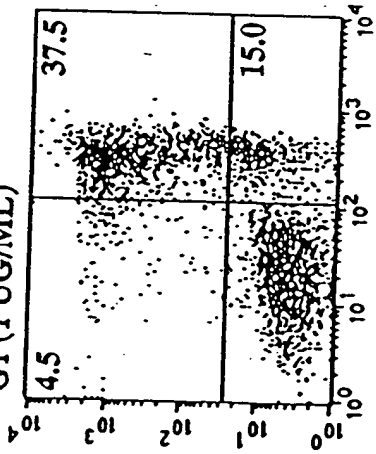
F035 (1 UG/ML)



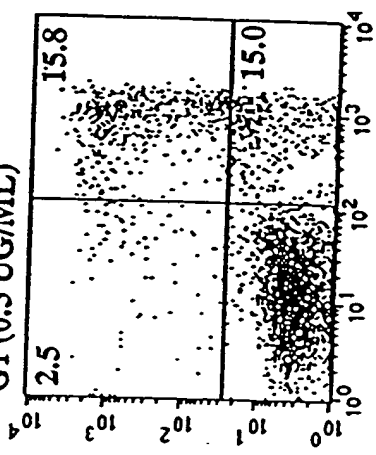
D1 (1 UG/ML)



G1 (1 UG/ML)



G1 (0.5 UG/ML)



ANNEXIN-V-FITC

FIG 44

PI

A

Forsk 35 treatment

Time (h)

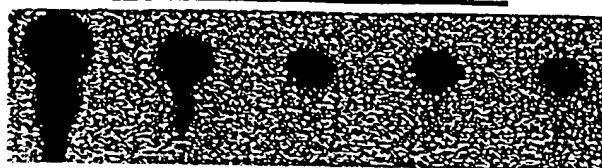
0

2

6

15

Wort



B

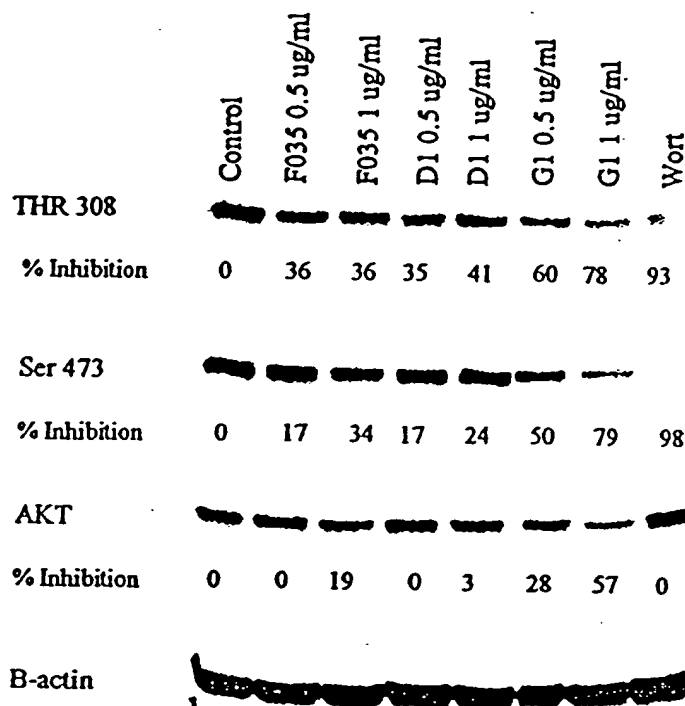


FIG 45

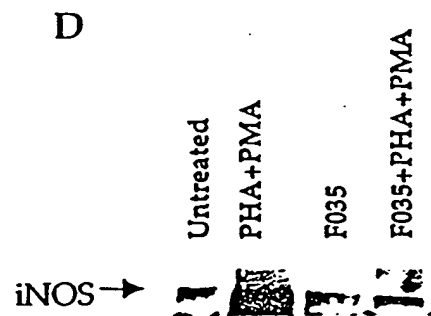
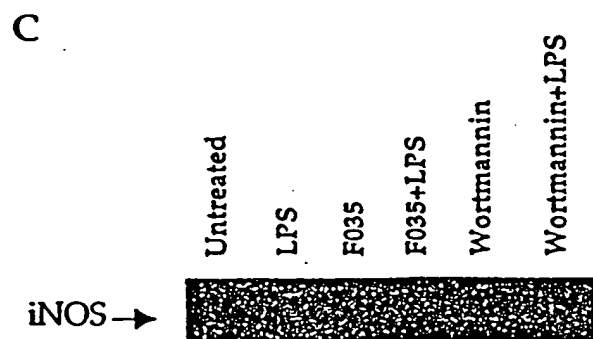
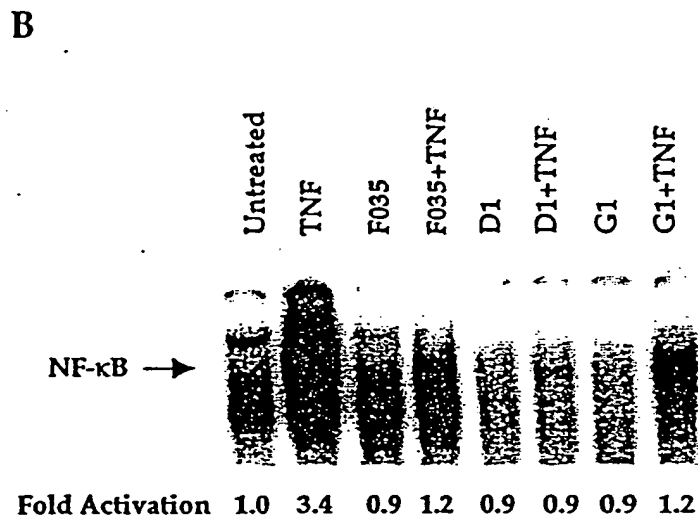
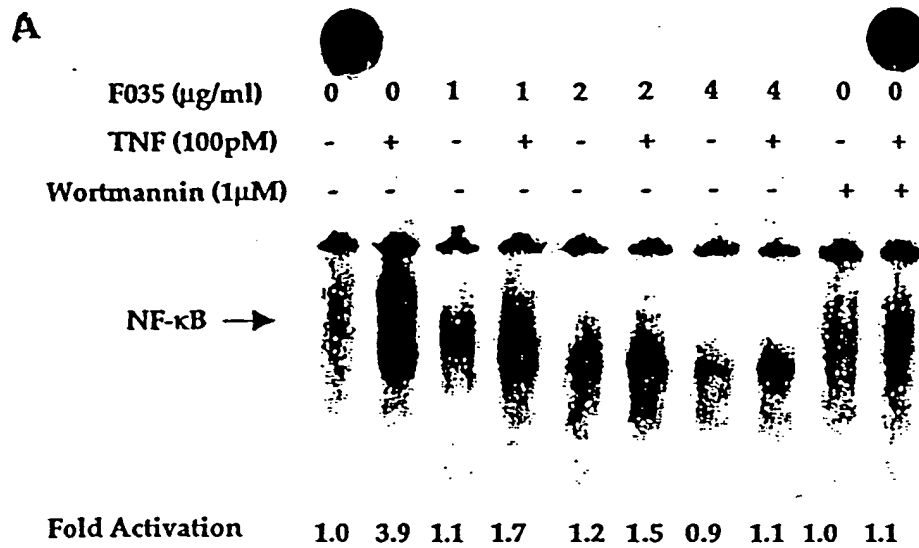


FIG 46

Effect of F035 & D1 on cleavage of PARP in Jurkat cells.

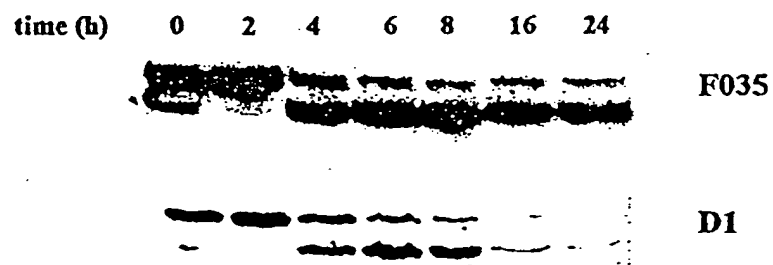


FIG 47

Effect of z-vad fmk on F035 induced PARP cleavage in Jurkat cells

F035	-	+	-	+
z-vad fmk	-	-	+	+

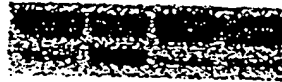


FIG 48

[illegible]

Effect of F035, F094, D1 & G1 on caspase activity in Jurkat cells.

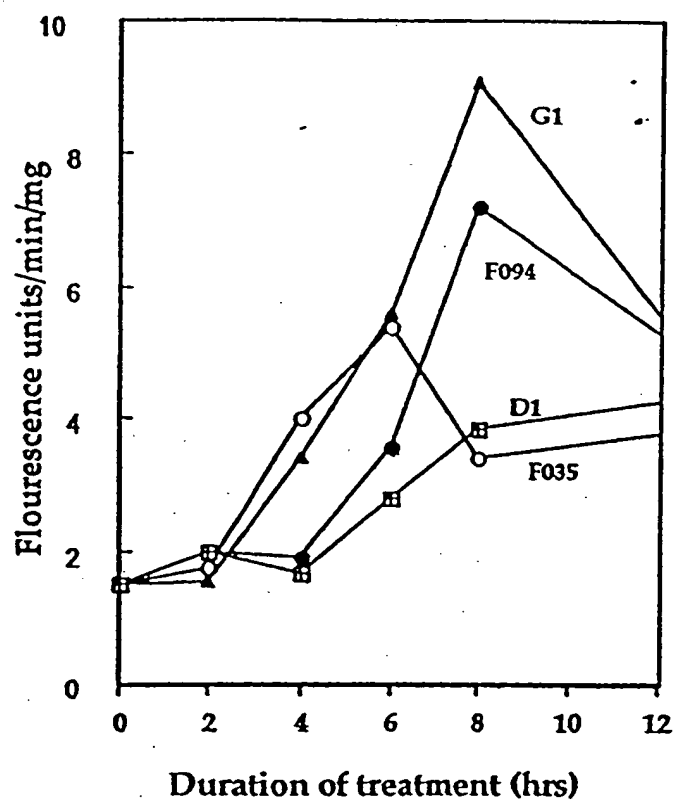


FIG 49

Effect of F035 on cytochrome c release from Jurkat mitochondria

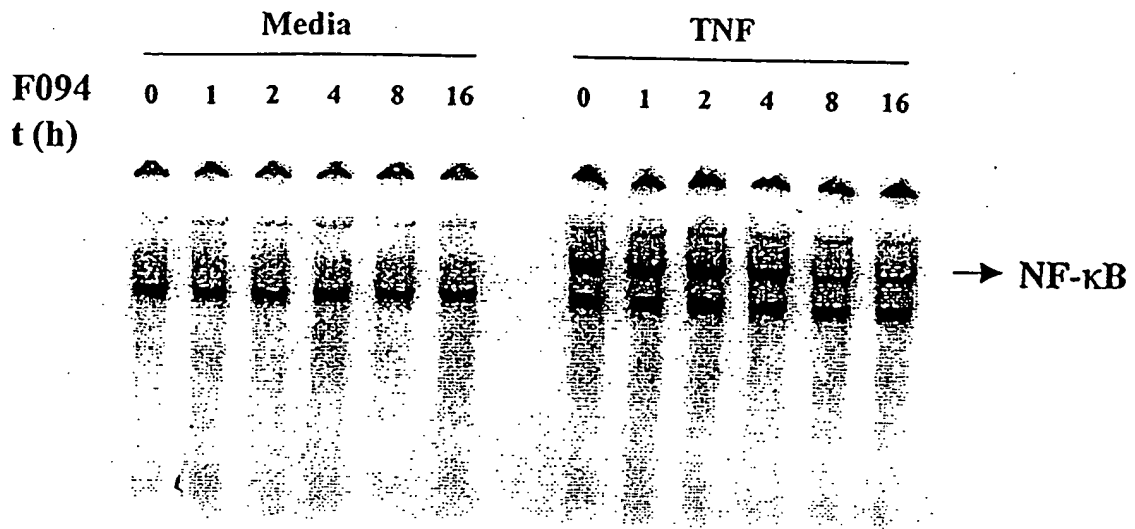
time (h) 0 4 6

→ Cytochrome c

FIG 50

FOSTT 9552660

A



B

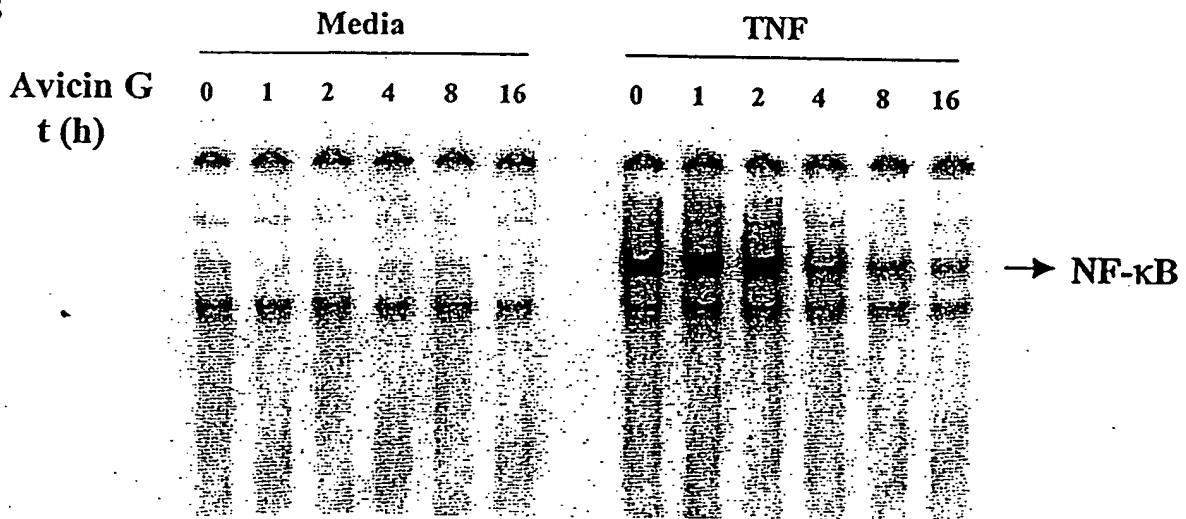
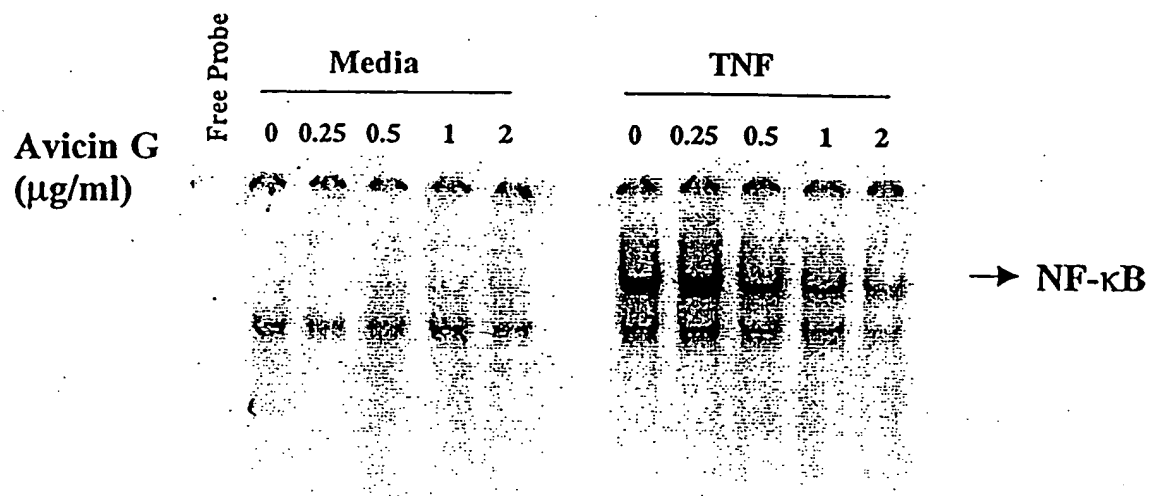


FIG. 51 A-B

A



B

Rabbit IgG	-	-	-	-	-	+
anti-p65	-	-	-	-	+	-
Cold wt	-	-	-	+	-	-
Cold mut	-	-	+	-	-	-
TNF	-	+	+	+	+	+

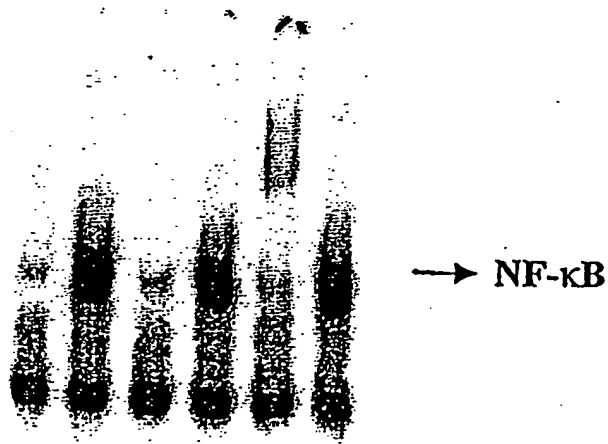
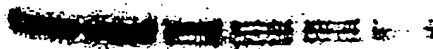


FIG. 52 A-B

EST-332660

A **I κ B**

Time (min) 0 2 5 10 15 30



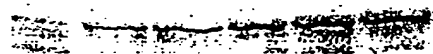
Untreated



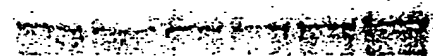
Avicin G

B **p65**

Time (min) 0 2 5 10 15 30



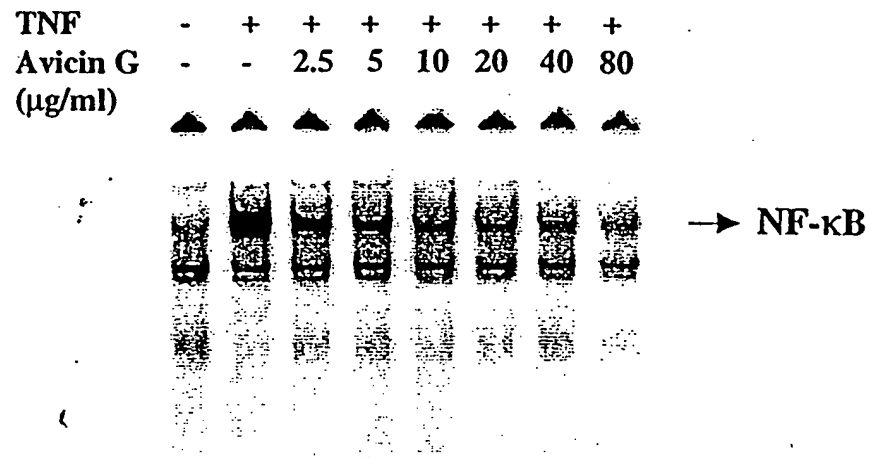
Untreated



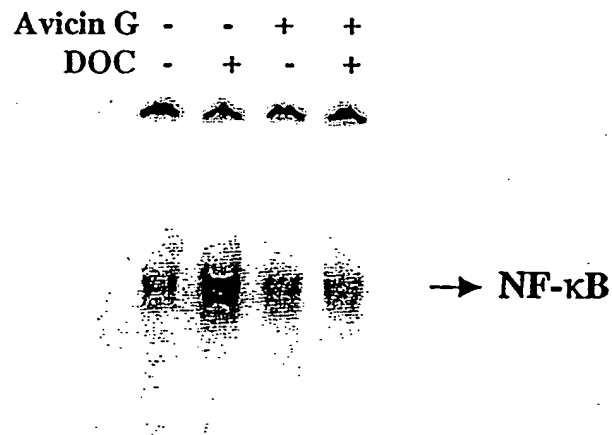
Avicin G

FIG. 53 A-B

A



B



C

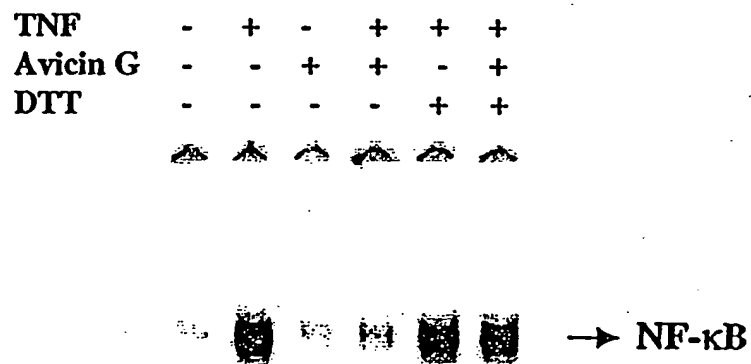
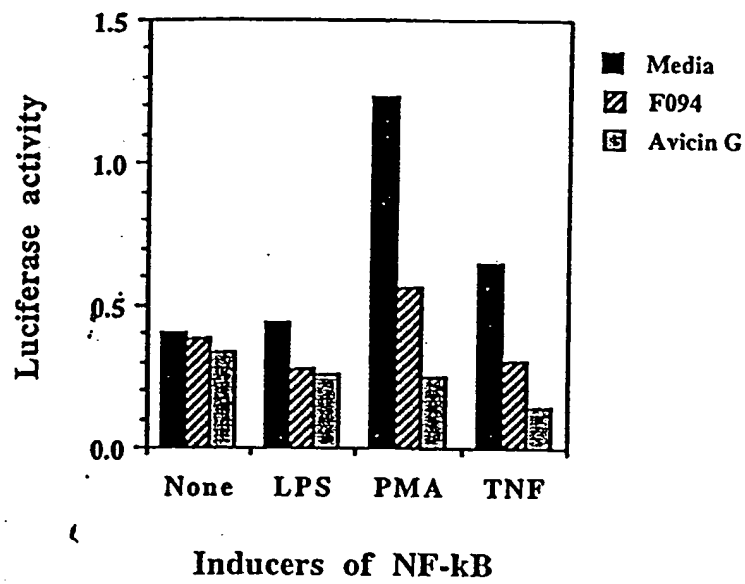


FIG. 54 A, B, C

A



B-

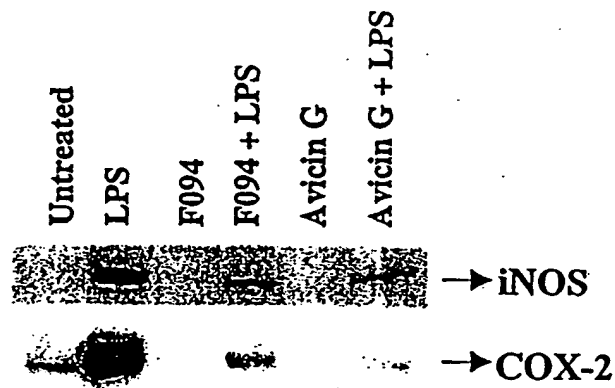
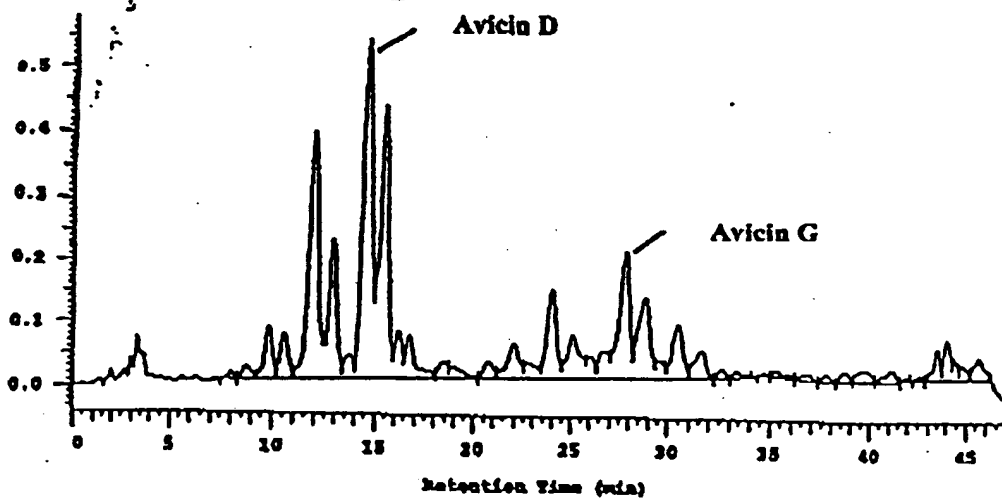


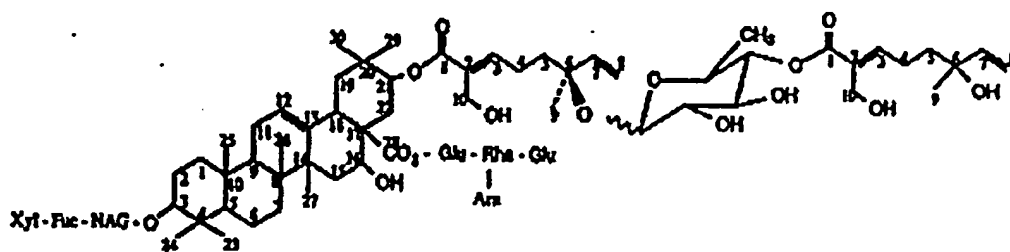
FIG. 55 A, B.



IC₅₀ Values

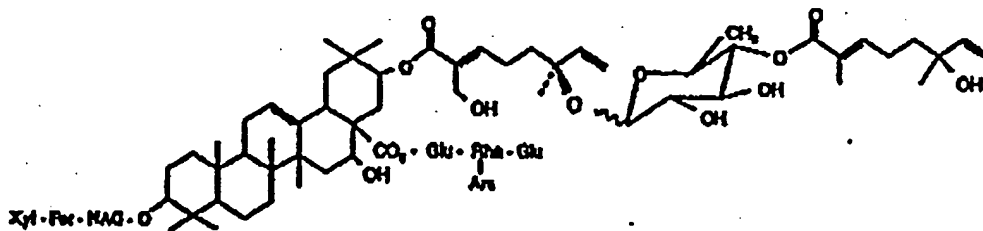
HPLC Separation of the Avicins in F094

0.331-0.407 $\mu\text{g/ml}$



Avicin D

0.320-0.326 $\mu\text{g/ml}$



Avicin G

0.160-0.181 $\mu\text{g/ml}$

FIG. 56

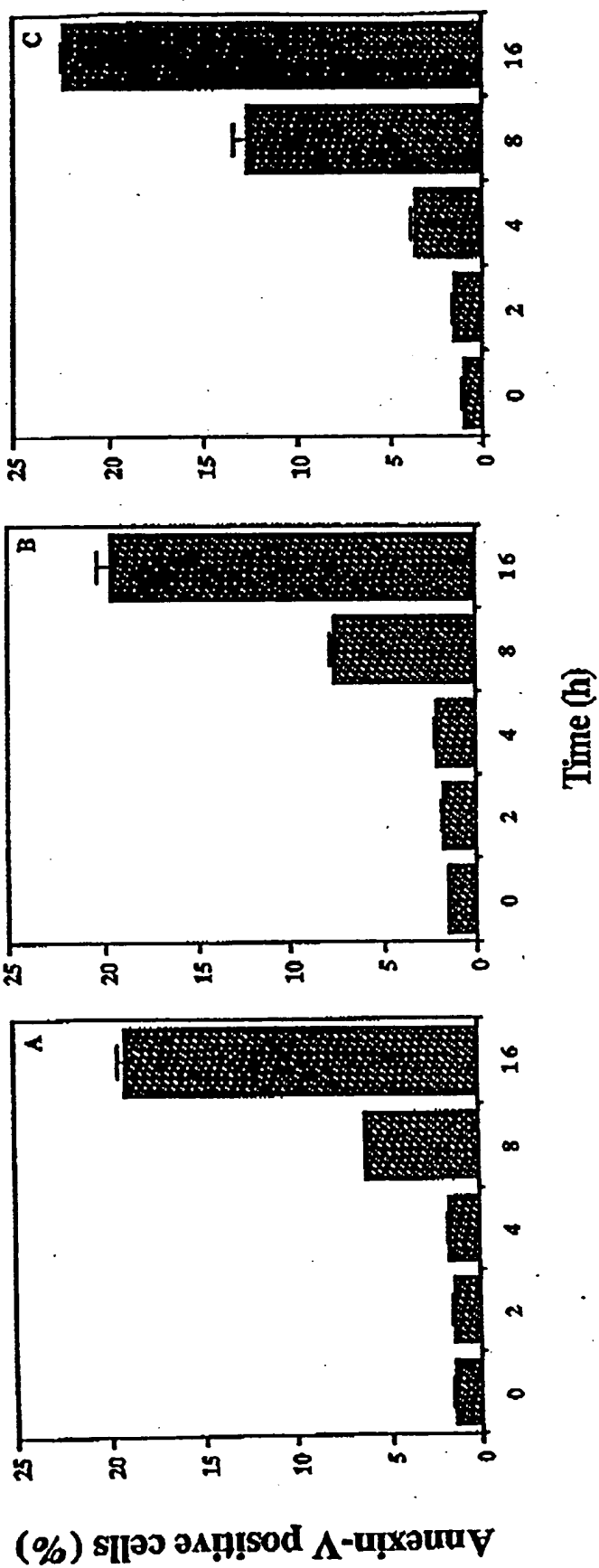


FIG. 57

TECHNICAL SERVICES

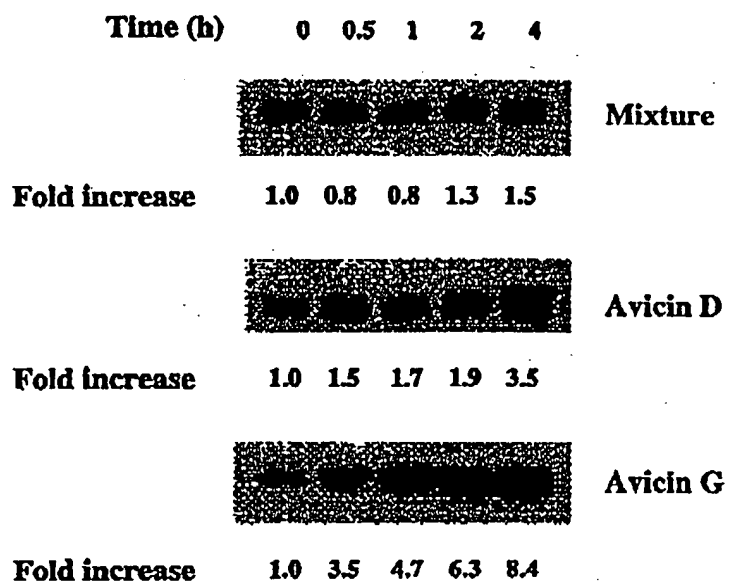



FIG. 58

A

Time (min) 0 1 2 5 10 20

 → **Cyt-c**

B

Avidin G ($\mu\text{g/ml}$) 0 0.03 0.12 0.5 2 5

→ **Cyt-c**

C

Western blot analysis of Cyt-c release. The blot shows bands for Cyt-c in five lanes: Untreated DEVD, zVAD-fmk, Av1cn G, DEVD+Av1cn G, and zVAD-fmk+Av1cn G. An arrow points to the Cyt-c band.

FIG. 59

FIG. 60

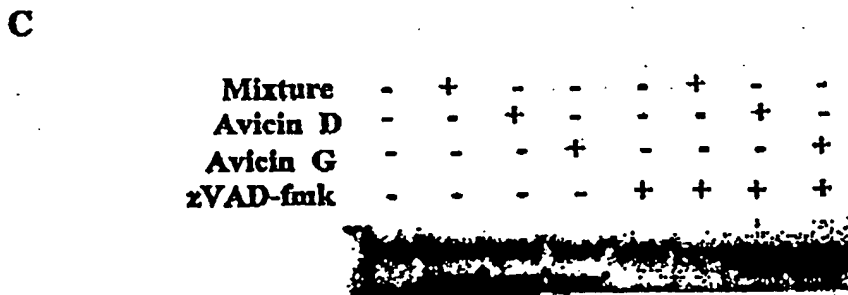
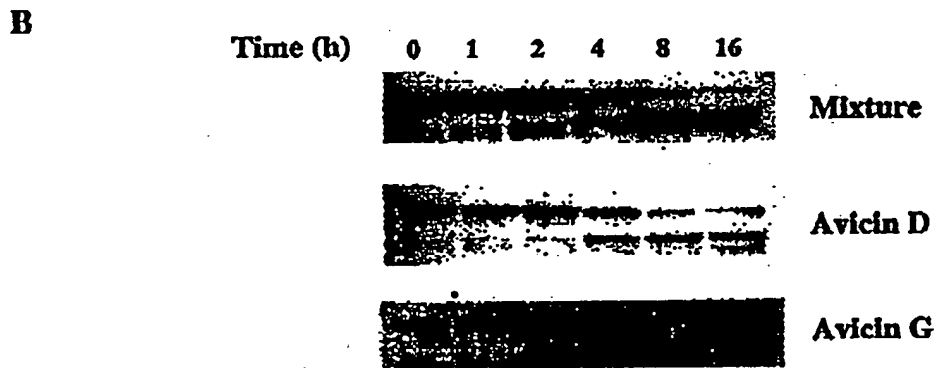
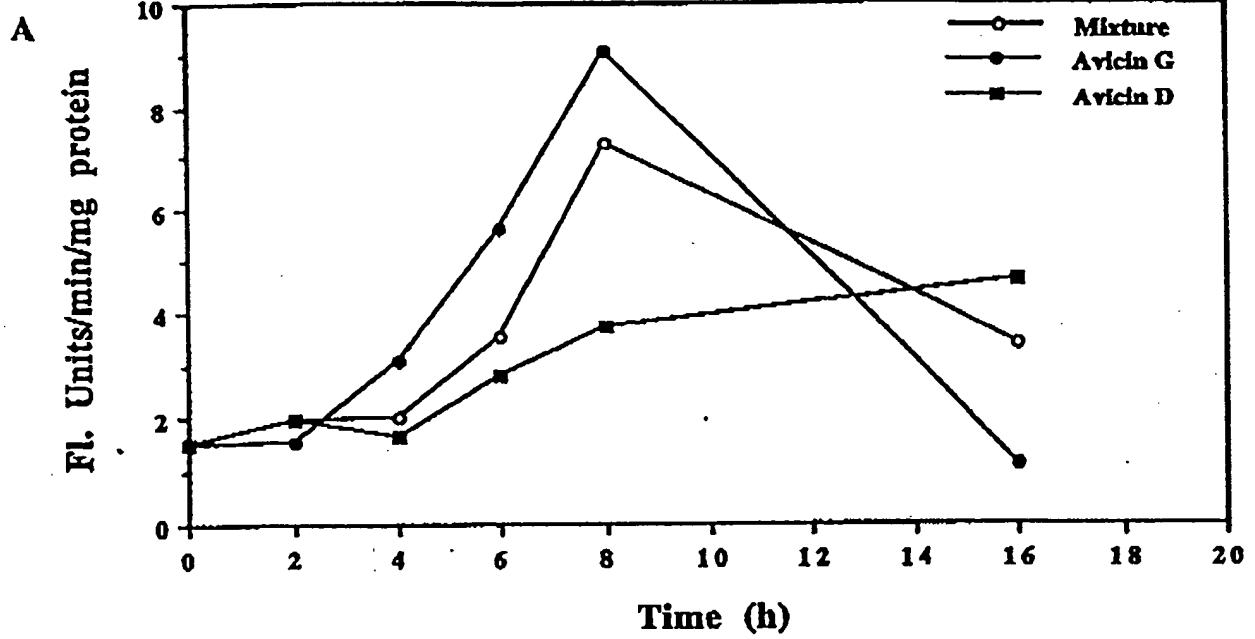


FIG. 60

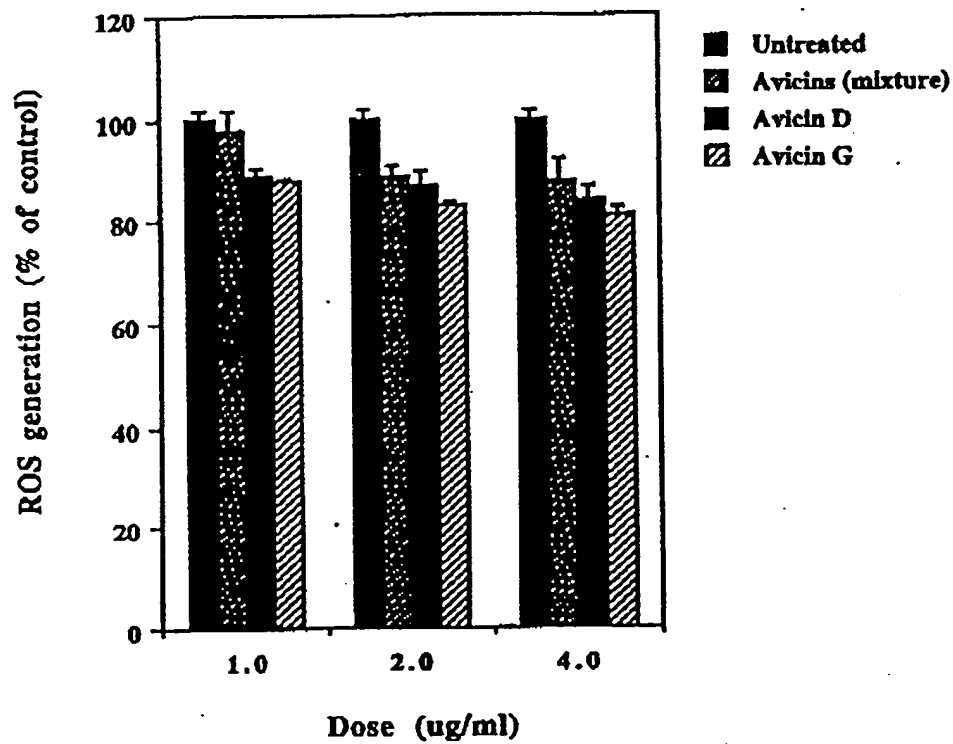


FIG. 62

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